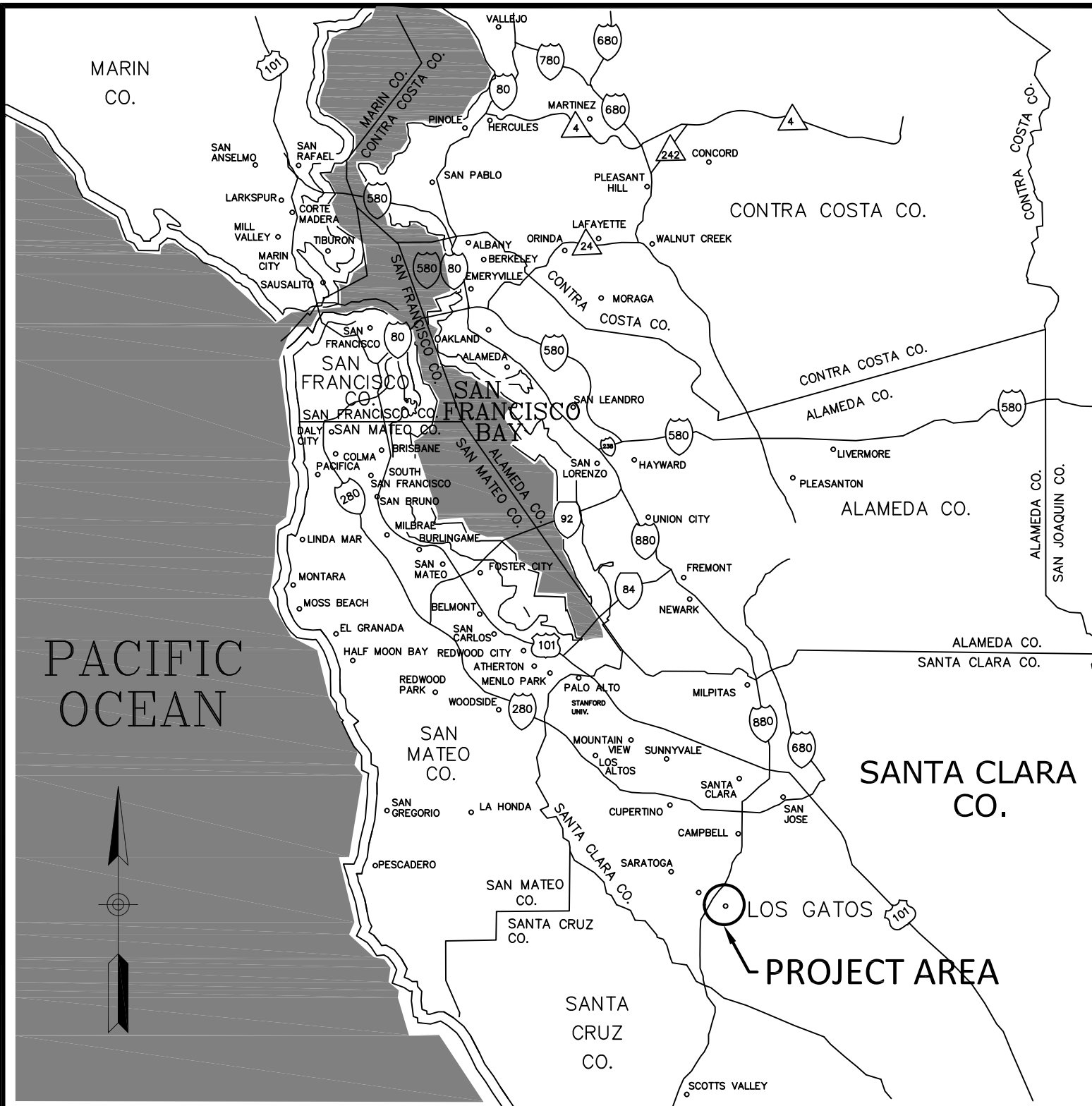


CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE DESIGN OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THE REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.

DRAWING NAME: TOWN OF LOS GATOS GUARDRAIL REPLACEMENT  
PROJECTED BY: WooJae Kim



VICINITY MAP  
NOT TO SCALE

TOWN OF LOS GATOS STANDARD NOTES

- ALL WORK SHALL BE PERFORMED IN CONFORMANCE WITH THE THESE PLANS, THE PROJECT SPECIFICATIONS, AND THE TOWN OF LOS GATOS ENGINEERING DESIGN STANDARDS AND SPECIFICATIONS (UNLESS SPECIFICALLY STATED OTHERWISE ON THE PLANS).
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO IDENTIFY, LOCATE AND PROTECT ALL UNDERGROUND FACILITIES. THE CONTRACTOR SHALL NOTIFY USA (UNDERGROUND SERVICE ALERT) AT 1-800-227-2600 A MINIMUM OF FORTY- EIGHT (48) HOURS BUT NOT MORE THAN FOURTEEN (14) DAYS PRIOR TO COMMENCING ALL WORK.
- THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE AND FEDERAL LAWS, CODES, RULES AND REGULATIONS GOVERNING THE WORK IDENTIFIED ON THESE PLANS. THESE SHALL INCLUDE, WITHOUT LIMITATION, SAFETY AND HEALTH RULES AND REGULATIONS ESTABLISHED BY OR PURSUANT TO THE OCCUPATIONAL SAFETY AND HEALTH ACT OR ANY OTHER APPLICABLE PUBLIC AUTHORITY.
- THE GENERAL CONTRACTOR SHALL PROVIDE QUALIFIED SUPERVISION ON THE JOB SITE AT ALL TIMES DURING CONSTRUCTION.
- THE CONTRACTOR SHALL EXERCISE ALL NECESSARY CAUTION TO AVOID DAMAGE TO ANY EXISTING TREES, SURFACE IMPROVEMENTS, DRAINAGE, WATER, SEWER, ELECTRICAL, OR TELECOMMUNICATION FACILITIES WHETHER ABOVE GROUND OR UNDERGROUND. THE CONTRACTOR SHALL BEAR FULL RESPONSIBILITY FOR ANY DAMAGE THERETO.
- THE CONTRACTOR SHALL COORDINATE ALL UTILITY INFORMATION SHOWN ON THE PLANS WITH UTILITY OWNERS FOR LAYOUT AND DETAILS OF INSTALLATION, RELOCATION, ADJUSTMENT, AND ABANDONMENT.
- THE CONTRACTOR TO PROTECT ALL EXISTING UTILITIES AND SERVICE LATERALS FROM DAMAGE DUE TO THE CONTRACTOR'S OPERATIONS. ANY AND ALL UTILITY SERVICES THAT ARE DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE UTILITY OWNER. THE CONTRACTOR TO CONTACT UTILITY COMPANIES TO RELOCATE UTILITIES IF NECESSARY TO COMPLETE THE PROJECT AT NO ADDITIONAL COST TO THE TOWN.
- HORIZONTAL AND VERTICAL CONTROLS SHALL BE SET AND CERTIFIED BY A LICENSED SURVEYOR OR REGISTERED CIVIL ENGINEER QUALIFIED TO PRACTICE LAND SURVEYING.
- THE CONTRACTOR SHALL INSTALL AND MAINTAIN TEMPORARY CONSTRUCTION FENCING, BARRICADES, LIGHTS, FLAGGERS, AND SIGNS THAT ARE NECESSARY TO GIVE ADEQUATE WARNING AND PROTECTION TO THE PUBLIC AT ALL TIMES.
- SURVEY MONUMENT PRESERVATION AND RESTORATION: ALL MONUMENTS, LOT CORNER PIPES, AND OTHER PERMANENT MONUMENTS DISTURBED DURING THE PROCESS OF CONSTRUCTION SHALL BE REPLACED AND A RECORD OF SURVEY OR CORNER RECORD PER SECTION 8771 OF THE PROFESSIONAL LAND SURVEYOR'S ACT FILED BEFORE ACCEPTANCE OF THE IMPROVEMENTS BY THE TOWN. COPIES OF ANY RECORD OF SURVEY OR CORNER RECORDS SHALL BE SUBMITTED TO THE TOWN.
- THE CONTRACTOR SHALL KEEP UP-TO-DATE A COMPLETE RECORD OF PRINTS OF THE CONTRACT DRAWINGS SHOWING EVERY CHANGE FROM THE ORIGINAL DRAWINGS MADE DURING THE COURSE OF CONSTRUCTION, INCLUDING EXACT LOCATIONS, SIZES, MATERIALS, AND EQUIPMENT. A COMPLETE SET OF CORRECTED AND COMPLETED RECORD DRAWINGS (AS-BUILTS) SHALL BE SUBMITTED TO THE TOWN PUBLIC WORKS INSPECTOR PRIOR TO FINAL ACCEPTANCE.
- THE CONTRACTOR SHALL PROVIDE AND MAINTAIN PEDESTRIAN ACCESS AND SAFETY AT ALL TIMES.
- GOOD HOUSEKEEPING PRACTICES SHALL BE OBSERVED AT ALL TIMES DURING THE COURSE OF CONSTRUCTION. SUPERINTENDENCE OF CONSTRUCTION SHALL BE DILIGENTLY PERFORMED BY A PERSON OR PERSONS AUTHORIZED TO DO SO AT ALL TIMES DURING WORKING HOURS. THE STORING OF GOODS AND/OR MATERIALS IN THE TOWN RIGHT-OF-WAY WILL NOT BE ALLOWED UNLESS APPROVED BY THE TOWN.
- ALL WORK SHALL BE PERFORMED IN SUCH A MANNER AS TO COMPLY WITH THE STANDARDS ESTABLISHED BY THE AIR QUALITY MANAGEMENT DISTRICT FOR AIRBORNE PARTICULATES.

GUARDRAIL CONSTRUCTION GENERAL NOTES:

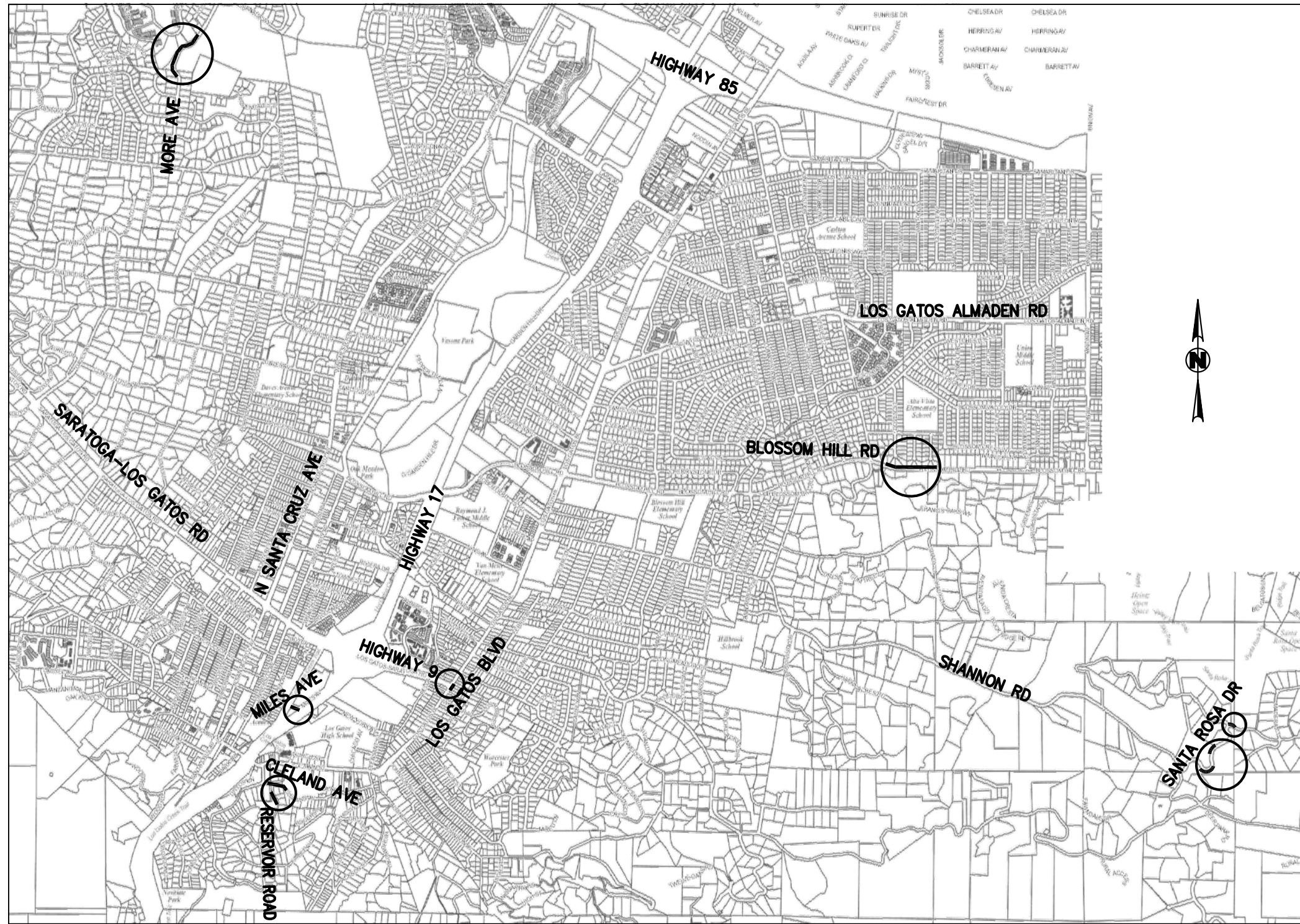
- LOCATION OF UNDERGROUND UTILITY AND DRAINAGE FACILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
- CALL UNDERGROUND SERVICE ALERT(USA) 811 BEFORE STARTING ANY EXCAVATIONS. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY EXISTENCE OF AND PROTECT ALL EXISTING UTILITIES. ANY DAMAGE TO AN EXISTING UTILITY SHALL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR.
- REFER TO THE 2010 CALTRANS STANDARD PLANS FOR DETAILS NOT SHOWN.
- USE STRENGTHENED RAILING SECTIONS WHERE MINIMUM CLEARANCE BETWEEN THE FACE OF GUARD RAILING AND FIXED OBJECT(S) IS LESS THAN 4'-0". SEE STANDARD PLAN A77G3 "STRENGTHENED RAILING SECTIONS FOR FIXED OBJECT" FOR DETAIL.
- TRIM EXISTING VEGETATION AS NEEDED TO CONSTRUCT PROPOSED IMPROVEMENTS.

AB AGGREGATE BASE  
AC ASPHALT CONCRETE  
AD AREA DRAIN  
ARV AIR RELEASE VALVE  
BC BACK OF CURB  
BFP BACKFLOW PREVENTER  
BW BOTTOM OF WALL  
CATV CABLE TELEVISION  
CB CATCH BASIN  
CFS CUBIC FEET PER SECOND  
C/L CENTERLINE  
CMP CORRUGATED METAL PIPE  
CO CLEANOUT  
CY CUBIC YARD  
DCVA DOUBLE CHECK VALVE ASSEMBLY  
DI DROP INLET  
DIA DIAMETER  
DIP DUCTILE IRON PIPE  
DWY DRIVEWAY  
(E) EAST  
EG EXISTING GRADE  
ELEC ELECTRICAL  
EP EDGE OF PATH  
EVAE EMERGENCY VEHICLE ACCESS EASEMENT  
EX EXISTING  
FC FACE OF CURB  
FDC FIRE DEPARTMENT CONNECTION  
FF FINISHED FLOOR ELEVATION  
FG FINISHED GRADE  
FH FIRE HYDRANT

FL FLOW LINE  
FM FORCED MAIN  
FS FIRE SERVICE  
FT FEET  
G GAS  
GA GAUGE  
GB GRADE BREAK  
GM GAS METER  
GS GAS SERVICE  
HDPE HIGH-DENSITY POLYETHYLENE  
HP HIGH POINT  
IEE INGRESS/EGRESS EASEMENT  
IN INCH  
INV INVERT ELEVATION  
LAT LATERAL  
LG LIP OF GUTTER  
LP LOW POINT  
MAX MAXIMUM  
MH MANHOLE  
MIN MINIMUM  
MPH MILES PER HOUR  
(N) NORTH  
N.T.S. NOT TO SCALE  
O.C. ON CENTER  
O.D. OUTSIDE DIAMETER  
PAD PAD ELEVATION  
PCC PORTLAND CEMENT CONCRETE  
PERF PERFORATED  
PG&E PACIFIC GAS & ELECTRIC COMPANY  
PIEE PRIVATE INGRESS/EGRESS EASEMENT

PL PROPERTY LINE  
PR PROPOSED  
PSDE PRIVATE STORM DRAIN EASEMENT  
PSE PUBLIC SERVICE EASEMENT  
PSSE PRIVATE SANITARY SEWER EASEMENT  
PUE PUBLIC UTILITY EASEMENT  
PVC POLYVINYL CHLORIDE  
R RADIUS  
RCP REINFORCED CONCRETE PIPE  
RIM RIM ELEVATION  
R/W RIGHT-OF-WAY  
(S) SOUTH  
S SLOPE  
SCC SANTA CLARA COUNTY  
SCCFD SANTA CLARA COUNTY FIRE DEPARTMENT  
SD STORM DRAIN  
SDCO STORM DRAIN CLEANOUT  
SDE STORM DRAIN EASEMENT  
SDMH STORM DRAIN MANHOLE  
SDR STANDARD DIMENSION RATIO  
SF SQUARE FEET  
SJWC SAN JOSE WATER COMPANY  
SS SANITARY SEWER  
SSCO SANITARY SEWER CLEANOUT  
SSE SANITARY SEWER EASEMENT  
SSMH SANITARY SEWER MANHOLE  
STD STANDARD  
S/W SIDEWALK  
TC TOP OF CURB

TELE TELEPHONE  
TLG TOWN OF LOS GATOS  
TW TOP OF WALL  
TYP TYPICAL  
VCP VITRIFIED CLAY PIPE  
(W) WEST  
W WATER  
WM WATER METER  
WS WATER SERVICE  
WSDOT WASHINGTON DEPARTMENT OF TRANSPORTATION  
WV WATER VALVE  
WVSD WEST VALLEY SANITATION DISTRICT  
XING CROSSING



PROJECT LOCATIONS MAP  
NOT TO SCALE

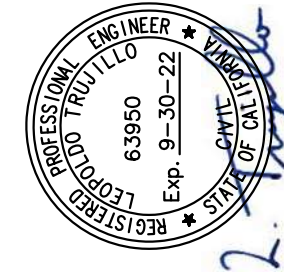
ABBREVIATIONS

SHEET INDEX

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L-2	CLELAND AVE AND RESERVOIR RD LAYOUT	3
L-3	LOS GATOS BOULEVARD LAYOUT	4
L-4	MILES AVENUE LAYOUT	5
L-5	MORE AVENUE LAYOUT	6
L-6	SANTA ROSA DRIVE LAYOUT	7
X-1	STREET CROSS SECTIONS	8
DET-1	STANDARD DETAILS	9
DET-2	STANDARD DETAILS	10
DET-3	STANDARD DETAILS	11
DET-4	STANDARD DETAILS	12
DET-5	STANDARD DETAILS	13

LEGEND - BID SCHEDULE

1	BASE BID
2	CLELAND AVE - BASE BID RESERVOIR RD - ADD ALT "A"
3	LOS GATOS BLVD - ADD ALT "B"
4	MILES AVENUE - ADD ALT "C"



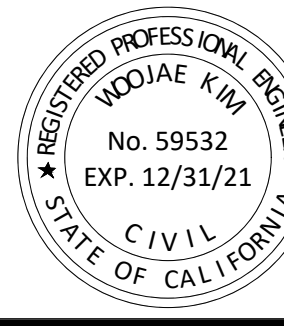
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Design	CL
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Engr.	LT
Proj. No	202023

TOWN OF LOS GATOS  
COUNTY OF SANTA CLARA  
STATE OF CALIFORNIA

RJA  
RUGGIERI-JENSEN-AZAR  
REGISTERED PROFESSIONAL ENGINEER  
1800 CAMP AVE, SUITE 100  
SAN JOSE, CA 95128  
PHONE (408) 846-0300 FAX (408) 846-0302

GUARDRAIL REPLACEMENT  
TITLE SHEET

REVISION NO.	DATE	BY



WooJae Kim  
WOOGAE KIM  
TOWN ENGINEER  
TOWN OF LOS GATOS

DRAWING NO.  
TS-1  
SHEET NO.  
1 OF 13



CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE DESIGN OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THE REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.

2/12/2023 - Los Gatos, CA: Drawing: Y:\proj\2023\23-00223\23-00223.dwg Date: 08/11/23  
DRAWING NAME: L-1  
PLOTTER: B7

BLOSSOM HILL ROAD – BASE BID



Date	1/12/2021
Scale	SHOWN
Design	CL
Drawn	ET
Check	LT
Engr.	LT
Proj. No	202023

TOWN OF LOS GATOS  
COUNTY OF SANTA CLARA  
STATE OF CALIFORNIA



GUARDRAIL REPLACEMENT  
BLOSSOM HILL ROAD  
PLAN SHEET

REVISION NO.	BY	DATE

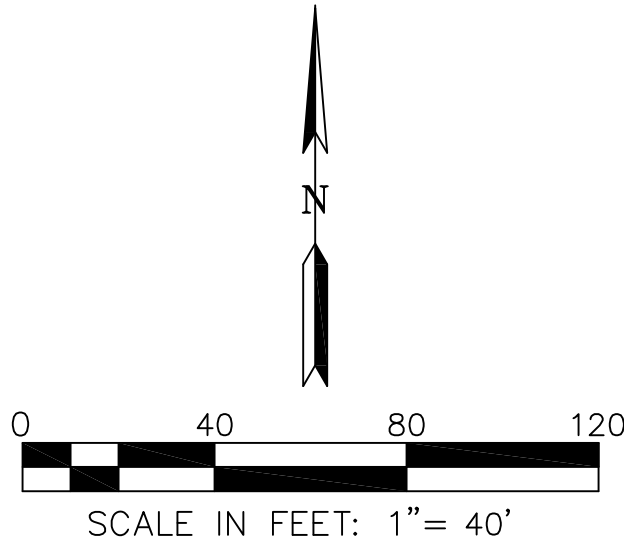
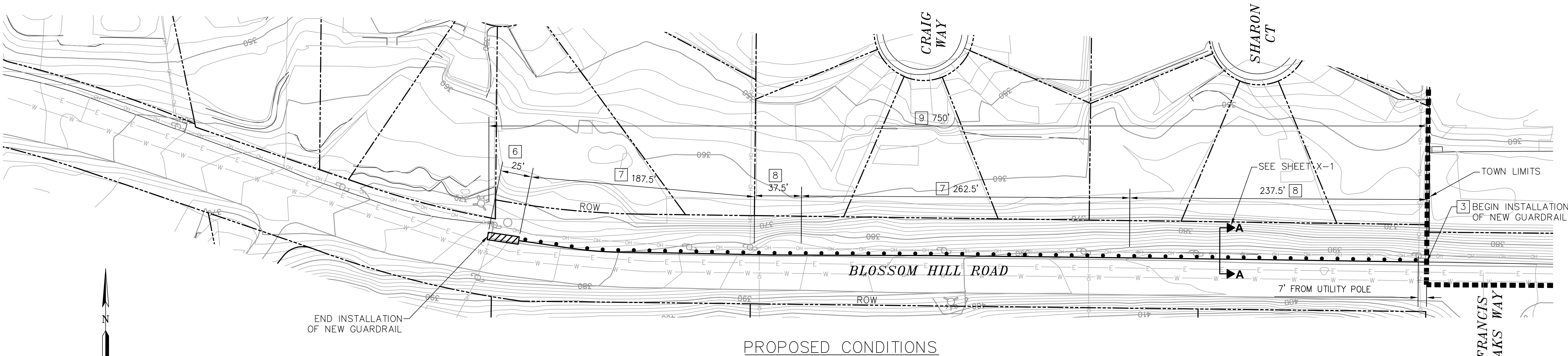
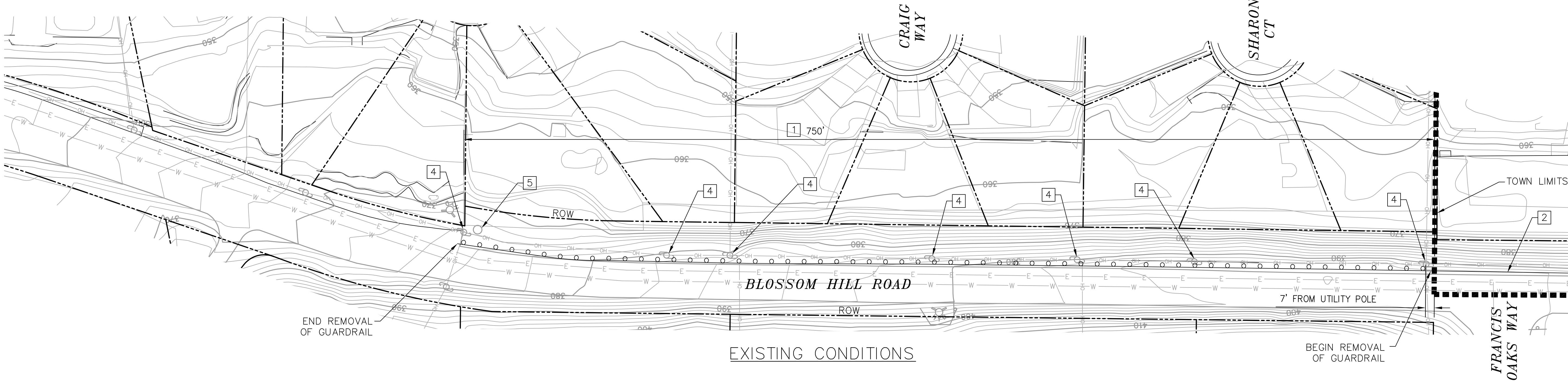
DRAWING NO.  
**L-1**  
SHEET NO.  
**2 OF 13**

GENERAL LEGEND

- EX FIRE HYDRANT
- EX POWER POLE
- EX SIGN
- EX STORM DRAIN INLET
- EX GUARDRAIL
- NEW GUARDRAIL
- NEW GUARDRAIL END TREATMENT (TYPE & LENGTH AS SHOWN ON THE PLAN)

PROJECT NOTES (THIS SHEET):

- REMOVE AND DISPOSE OF EXISTING GUARDRAIL.
- EXISTING GUARDRAIL TO REMAIN IN PLACE.
- CONNECT TO EXISTING GUARDRAIL AT NEAREST SPICED RAIL ELEMENT TO THE TOWN LIMIT PER "RAIL ELEMENT SPICE DETAIL" IN CALTRANS STANDARD PLAN A77A1. REFER TO DETAIL 1 ON SHEET DET-5.
- EXISTING UTILITY POLE TO REMAIN IN PLACE.
- EXISTING SANITARY SEWER MANHOLE TO REMAIN IN PLACE.
- FURNISH AND INSTALL TYPE SFT END ANCHOR ASSEMBLY FOR TYPE 11A LAYOUT ON CALTRANS STANDARD PLAN A77E1. FURNISH AND INSTALL BUFFERED END GUARD (180').
- FURNISH AND INSTALL DEEP GUARDRAIL POSTS PER CASE 6 FROM EXHIBIT 1610-9 OF WSDOT DESIGN MANUAL M22-01.18 (REFER TO WSDOT EXHIBIT ON SHEET DET-5). POST ASSEMBLY AND SPACING PER CALTRANS STANDARD PLAN A77A1.
- FURNISH AND INSTALL STANDARD LENGTH GUARDRAIL POSTS PER CALTRANS STD PLANS A77A1 AND A77C3, DETAIL B.
- FURNISH AND INSTALL NEW METAL BEAM GUARDRAIL PER CALTRANS STD PLANS A77A1 AND A77C3, DETAIL B.





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DRAWING NAME: L-2  
PLOTTER: 11x17  
DATE: 2/1/2023  
FILE: L-2.dwg  
SCALE: 1"=40'

### GENERAL LEGEND

- EX FIRE HYDRANT
- EX POWER POLE
- EX SIGN
- EX STORM DRAIN INLET
- EX GUARDRAIL
- NEW GUARDRAIL

NEW GUARDRAIL END TREATMENT  
(TYPE & LENGTH AS SHOWN  
ON THE PLAN)

### PROJECT NOTES (THIS SHEET):

- 1 REMOVE EXISTING GUARDRAIL ELEMENT AND WOOD BLOCKS.
- 2 FURNISH AND INSTALL NEW METAL BEAM GUARDRAIL ELEMENT AND WOOD BLOCKS ON EXISTING I-BEAMS AS SHOWN IN CALTRANS STANDARD PLAN A77A2 AND A77C2. WOOD BLOCK DEPTH VARIES AS SHOWN ON DETAIL 2, SHEET DET-5.
- 3 FURNISH AND INSTALL METAL BEAM GUARDRAIL, POST ASSEMBLY, AND PLACEMENT PER CALTRANS STANDARD PLANS A77A1 AND A77C3.
- 4 EXISTING UTILITY POLE TO BE PROTECTED IN PLACE.
- 5 EXISTING RETAINING WALL WITH I-BEAMS TO REMAIN IN PLACE. REMOVE AND DISPOSE OF EXISTING GUARDRAIL ELEMENT AND WOOD BLOCKS.
- 6 EXISTING SIGN TO REMAIN IN PLACE. RESET IF NECESSARY.
- 7 EXISTING SIGN TO BE REMOVED AND RESET ON NEW POST.
- 8 CONNECT NEW GUARDRAIL TO EXISTING ROCK WALL PER CONNECTION DETAIL EE ON CALTRANS STANDARD PLAN A77J3.
- 9 FURNISH AND INSTALL DEEP GUARDRAIL POSTS PER CASE 6 FROM EXHIBIT 1610-9 OF WSDOT DESIGN MANUAL M22-01.18 (REFER TO WSDOT EXHIBIT ON SHEET DET-5). POST ASSEMBLY AND SPACING PER CALTRANS STANDARD PLAN A77A1.

### PROJECT NOTES (CONTINUED):

- 10 TRIM TREE TO REMOVE EXISTING BRANCH RESTING ON GUARDRAIL..
- 11 FURNISH AND INSTALL TYPE SFT END ANCHOR ASSEMBLY AND BUFFERED END GUARD (180') AT BEGIN/END OF GUARDRAIL SYSTEM.
- 12 EXISTING STREET LIGHT TO REMAIN, PROTECT IN PLACE.
- 13 FURNISH AND INSTALL DELINEATORS ON GUARDRAIL POSTS PER CALTRANS STANDARD PLAN A77C4.
- 14 FURNISH AND INSTALL TYPE SFT END ANCHOR ASSEMBLY PER CALTRANS STANDARD PLAN A77E1, TYPE 11A LAYOUT, AND STANDARD PLAN A77H1. INSTALL ADDITIONAL WOOD POST AS NECESSARY TO INSTALL TYPE A RETURN CAP PER CALTRANS STANDARD PLAN A77I1.
- 15 EXISTING ROCK WALL TO REMAIN IN PLACE.

## CLELAND AVENUE – BASE BID RESERVOIR ROAD – ADDITIVE ALTERNATE "A"

REGISTERED PROFESSIONAL ENGINEER  
63960  
Exp. 9-30-23

2

1/12/2021

Scale SHOWN

Design CL

Drawn ET

Check LT

Engr. LT

Proj. No 202023

TOWN OF LOS GATOS  
COUNTY OF SANTA CLARA  
STATE OF CALIFORNIA

RJA

RUGGERI-JENSEN-AZAR

1115 G ST. SUITE 200  
SAN JOSE, CA 95128  
PHONE (408) 846-0300 FAX (408) 846-0302

GUARDRAIL REPLACEMENT  
CLELAND AVE & RESERVOIR RD  
PLAN SHEET

REVISION NO.	BY	DATE

DRAWING NO.  
**L-2**  
SHEET NO.  
**3 OF 13**

EXISTING CONDITIONS

PROPOSED CONDITIONS



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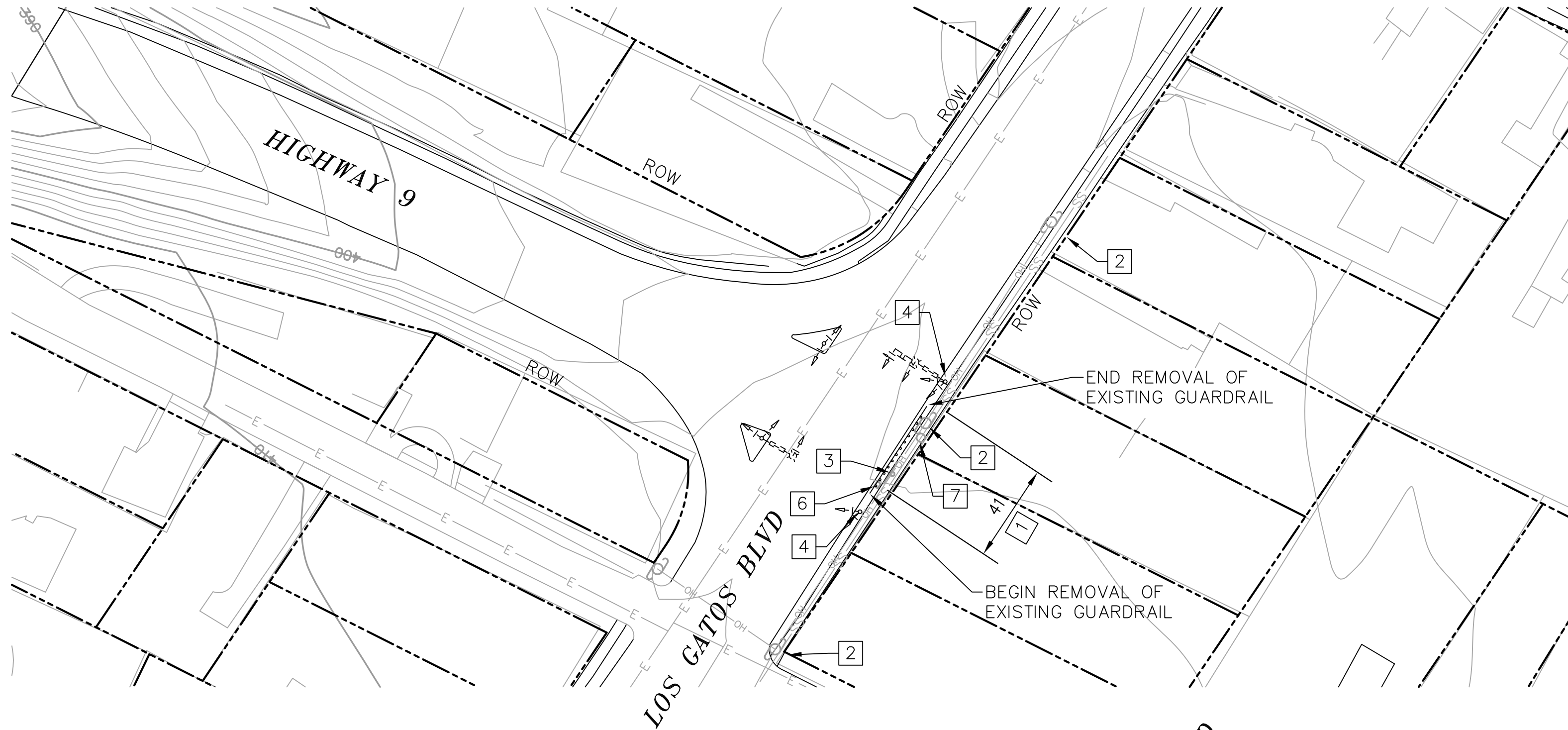
DRAWING NAME: L-3  
DRAWING NO.: 4 OF 13  
PLOTTER: 11x17

GENERAL LEGEND

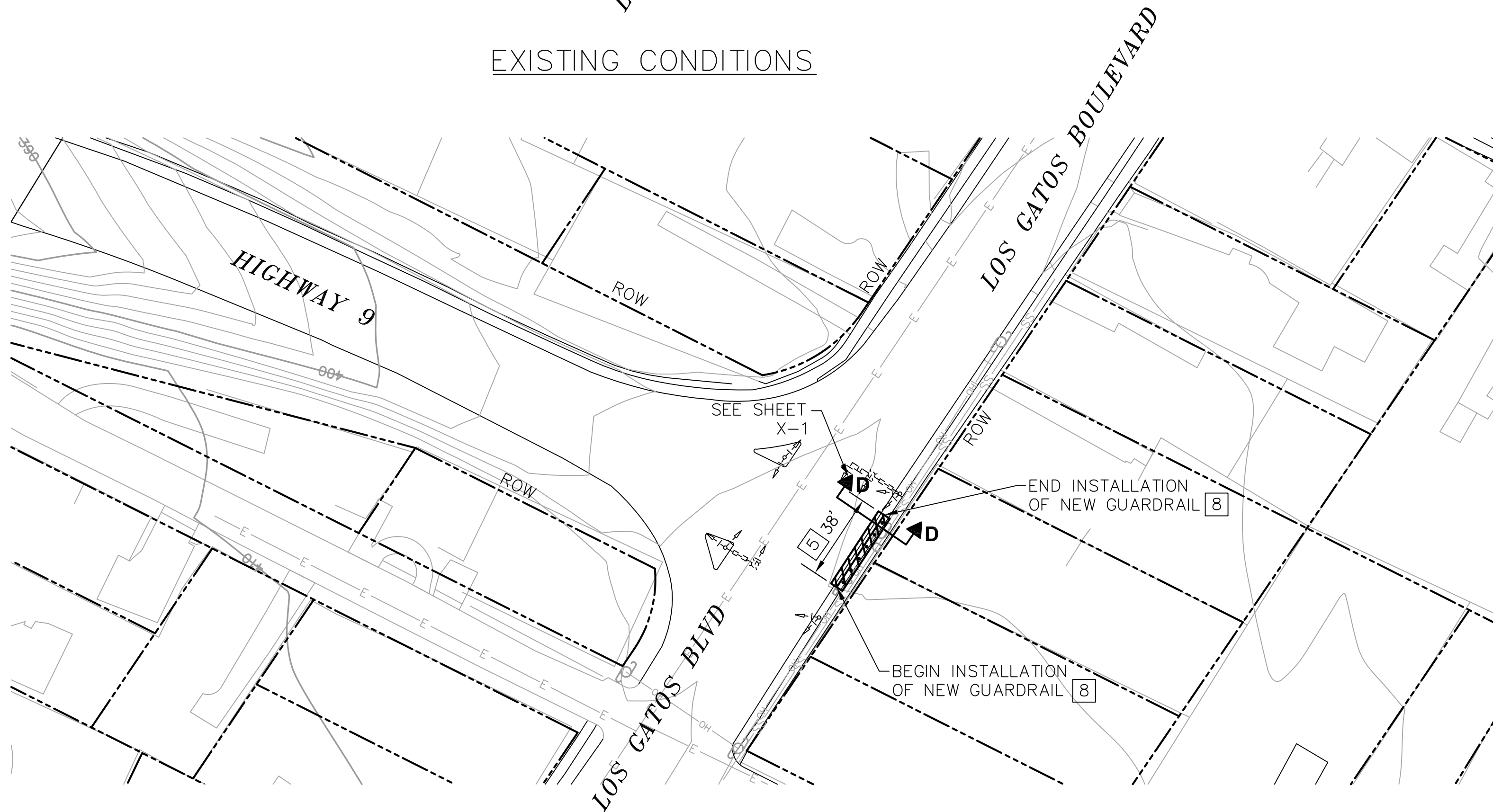
- EX FIRE HYDRANT  
EX POWER POLE  
EX SIGN  
EX STORM DRAIN INLET  
EX GUARDRAIL  
NEW GUARDRAIL  
NEW GUARDRAIL END TREATMENT  
(TYPE & LENGTH AS SHOWN  
ON THE PLAN)

PROJECT NOTES (THIS SHEET):

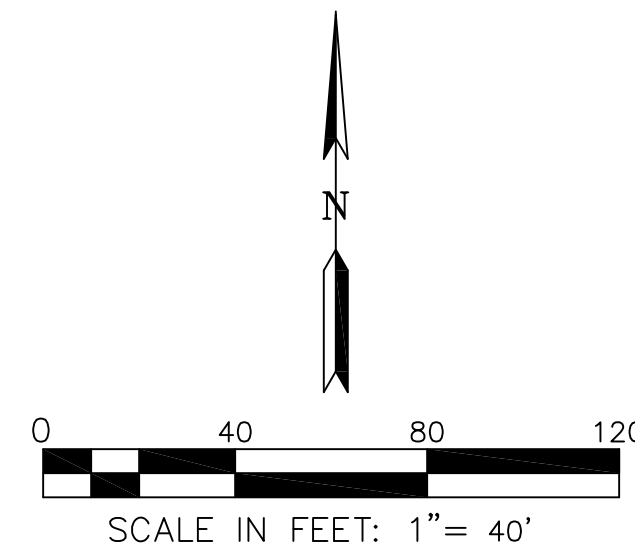
- 1 REMOVE AND DISPOSE OF EXISTING GUARDRAIL.  
2 EXISTING POWER POLE TO BE PROTECTED IN PLACE.  
3 EXISTING SIGN TO REMAIN IN PLACE. RESET IF NECESSARY.  
4 EXISTING TRAFFIC SIGNAL POLE TO REMAIN IN PLACE.  
5 FURNISH AND INSTALL NEW STRENGTHENED RAILING SECTION METAL BEAM GUARDRAIL PER CALTRANS STANDARD PLANS A77A1 AND A77G3. ALSO FURNISH AND INSTALL TYPE SFT END ANCHOR ASSEMBLY AT BEGIN/END OF GUARDRAIL.  
6 EXISTING PULL BOX TO REMAIN, PROTECT IN PLACE.  
7 EXISTING SANITARY SEWER MANHOLE TO REMAIN.  
8 FURNISH AND INSTALL BUFFERED END GUARD (270') AT BEGIN/END OF GUARDRAIL.



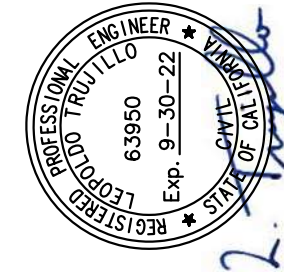
EXISTING CONDITIONS



PROPOSED CONDITIONS



LOS GATOS BLVD – ADDITIVE ALTERNATIVE "B"



Date	1/12/2021
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Proj. No	202023

TOWN OF LOS GATOS  
COUNTY OF SANTA CLARA  
STATE OF CALIFORNIA

**RJA**  
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ENGINEERS  
1005 CAMINO ARROYO, SUITE 100  
SAN JOSE, CA 95128  
PHONE (408) 848-0300 FAX: (408) 848-0302

GUARDRAIL REPLACEMENT  
LOS GATOS BLVD  
PLAN SHEET

REVISION NO.	BY	DATE

DRAWING NO.  
**L-3**  
SHEET NO.  
**4 OF 13**



CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THE REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.

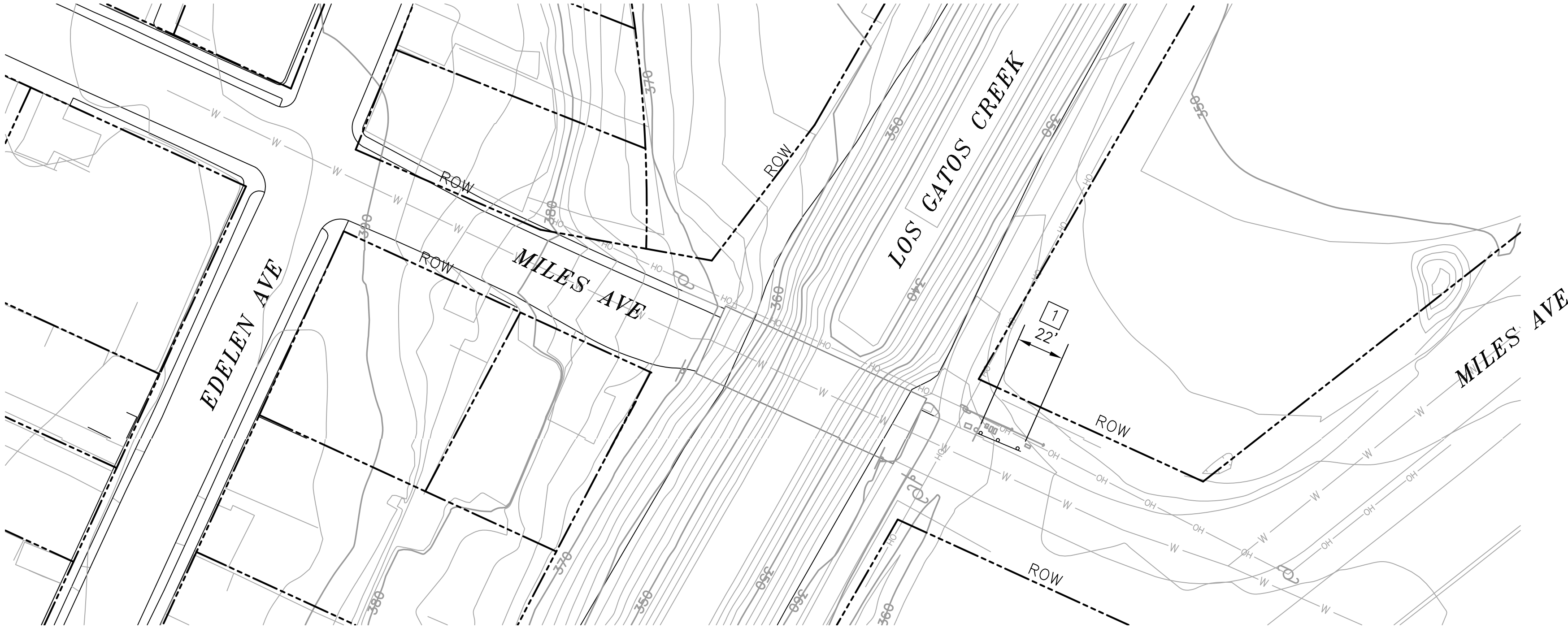
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PLOTTER: 11x17  
DATE: 2/1/2023  
FILE: L-4.dwg  
PLOTTER: 11x17

GENERAL LEGEND

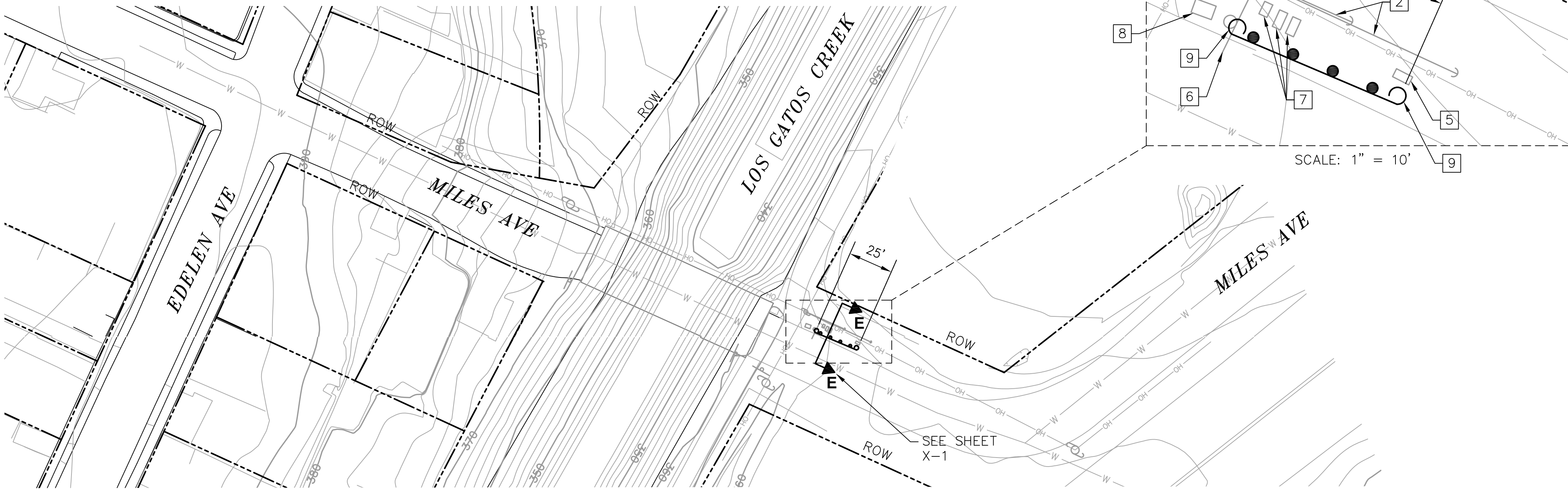
- EX FIRE HYDRANT
- EX POWER POLE
- EX SIGN
- EX STORM DRAIN INLET
- EX GUARDRAIL
- NEW GUARDRAIL
- NEW GUARDRAIL END TREATMENT (TYPE & LENGTH AS SHOWN ON THE PLAN)

PROJECT NOTES (THIS SHEET):

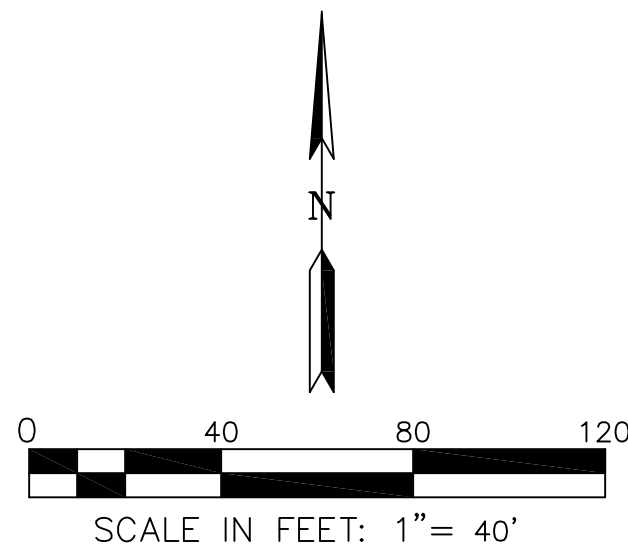
- REMOVE AND DISPOSE OF EXISTING GUARDRAIL.
- EXISTING GUYWIRE TO REMAIN IN PLACE.
- FURNISH AND INSTALL NEW STRENGTHENED RAILING SECTION METAL BEAM GUARDRAIL PER CALTRANS STANDARD PLAN A77G3.
- EXISTING UTILITY POLE TO BE PROTECTED IN PLACE.
- EXISTING ELECTRICAL PULL BOX TO BE PROTECTED IN PLACE.
- RESET EXISTING SIGN.
- EXISTING WATER METER TO BE PROTECTED IN PLACE.
- EXISTING TRAFFIC SIGNAL PULL BOX TO BE PROTECTED IN PLACE.
- FURNISH AND INSTALL BUFFERED END GUARD (270') AT END OF GUARDRAIL.



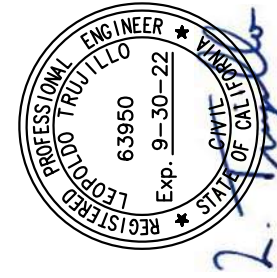
EXISTING CONDITIONS



PROPOSED CONDITIONS



MILES AVENUE – ADDITIVE ALTERNATIVE "C"



Date	1/12/2021
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Design	CL
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Engr.	LT
Proj. No	202023

TOWN OF LOS GATOS  
COUNTY OF SANTA CLARA  
STATE OF CALIFORNIA

**RJA**  
RUGGERI-JENSEN-AZAR  
ENGINEERS & ARCHITECTS  
1805 CAMINO ARROYO, SUITE 100  
SAN JOSE, CA 95128  
PHONE: (408) 848-0300 FAX: (408) 848-0302

GUARDRAIL REPLACEMENT  
MILES AVE  
PLAN SHEET

REVISION NO.	BY	DATE

DRAWING NO.  
**L-4**  
SHEET NO.  
**5 OF 13**

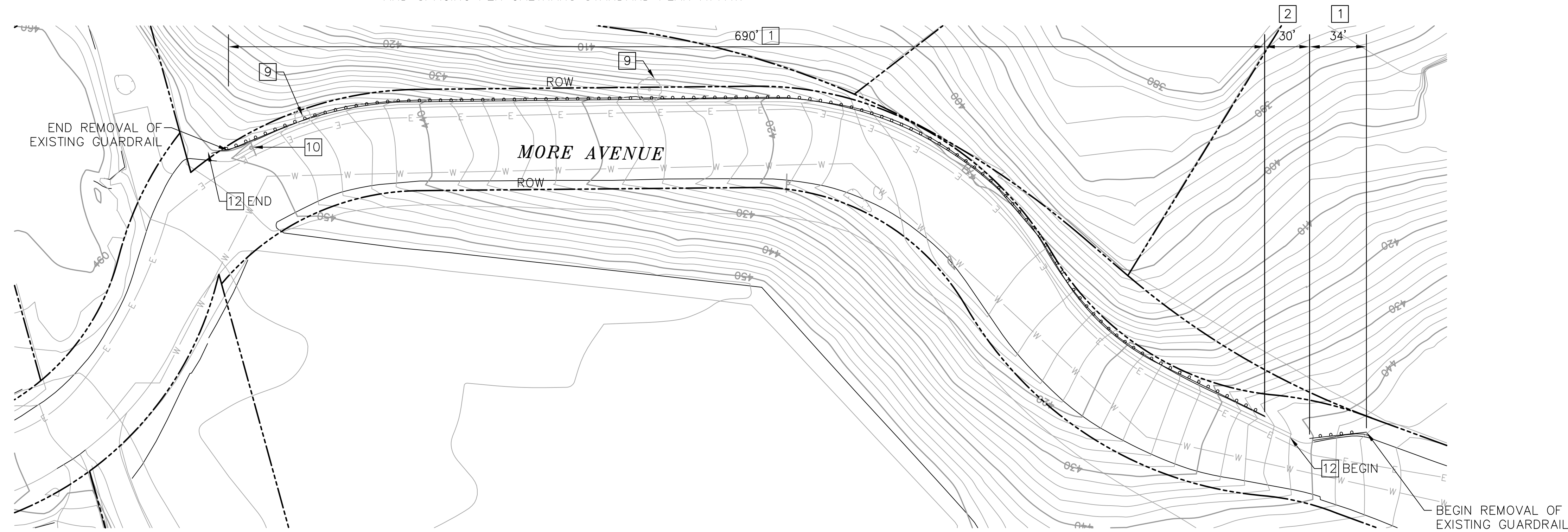


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PLOT TIME: 01-12-21

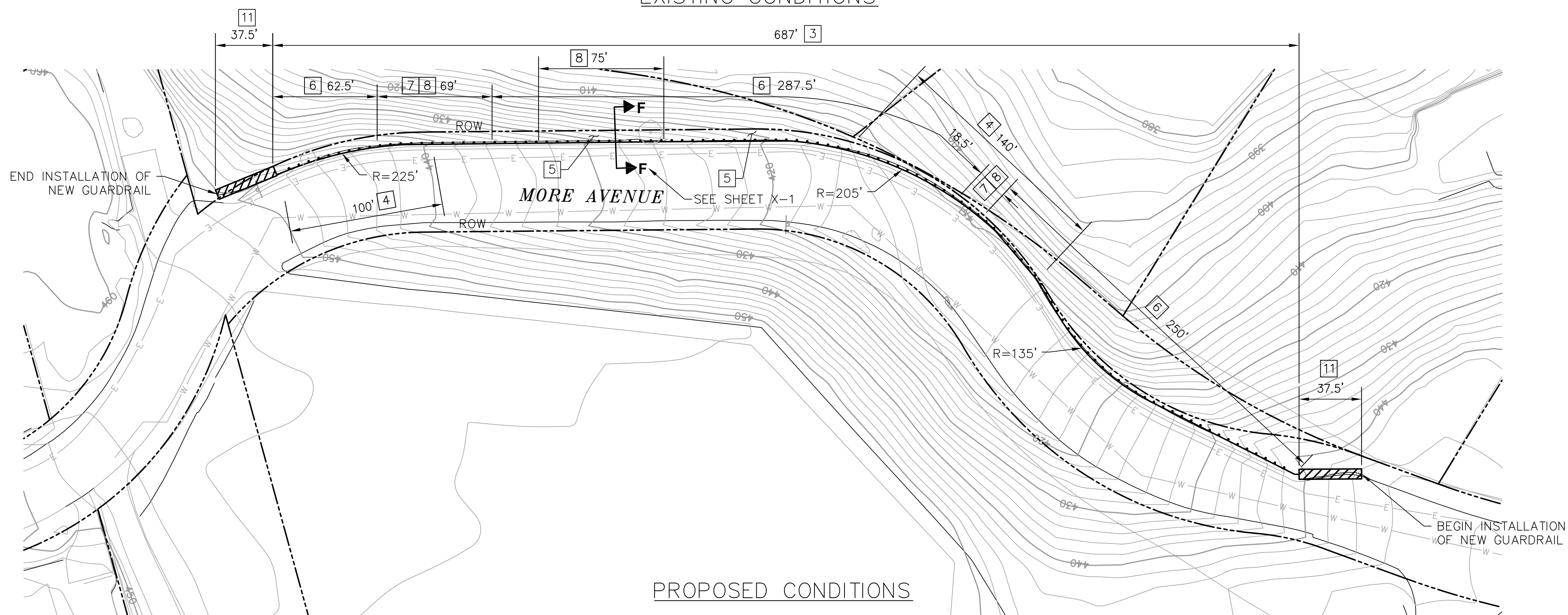
NEW GUARDRAIL END TREATMENT  
(TYPE & LENGTH AS SHOWN  
ON THE PLAN)

- 1 REMOVE AND DISPOSE OF EXISTING GUARDRAIL.
- 2 CLOSE EXISTING GUARDRAIL OPENING WITH NEW GUARDRAIL.
- 3 FURNISH AND INSTALL NEW METAL BEAM GUARDRAIL PER CALTRANS STANDARD PLAN A77A1.
- 4 FURNISH AND INSTALL DELINEATORS ON GUARDRAIL POSTS PER CALTRANS STANDARD PLAN A77C4 ALONG CURVED SECTION.
- 5 CONTRACTOR TO TRIM EXISTING VEGETATION.
- 6 FURNISH AND INSTALL STANDARD LENGTH GUARDRAIL POSTS PER CALTRANS STANDARD PLANS A77A1 AND A77C3, DETAIL B.
- 7 FURNISH AND INSTALL DEEP GUARDRAIL POSTS PER CASE 6 FROM EXHIBIT 1610-9 OF WSDOT DESIGN MANUAL M22-01.18 (REFER TO WSDOT EXHIBIT ON SHEET DET-5). POST ASSEMBLY AND SPACING PER CALTRANS STANDARD PLAN A77A1.

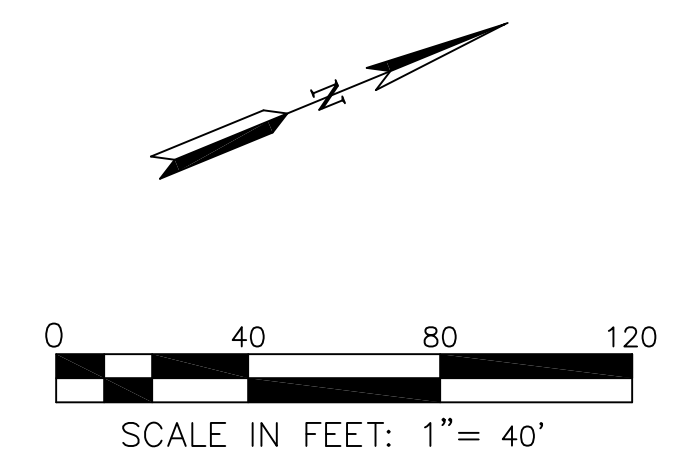
- 8 REGRADE TO RESTORE HINGE POINT.
- 9 TRIM EXISTING TREE AS NECESSARY TO ACCOMMODATE THE PROPOSED GUARDRAIL IMPROVEMENTS.
- 10 RESET EXISTING SIGN.
- 11 FURNISH AND INSTALL SRT FLARED TERMINAL SYSTEM END TREATMENT PER CALTRANS STANDARD PLAN A77E2, TYPE 11E LAYOUT.
- 12 EXISTING CONCRETE V-GUTTER TO REMAIN IN FRONT OF GUARDRAIL SYSTEM.



## EXISTING CONDITIONS



### PROPOSED CONDITIONS



MORE AVENUE – BASE BID



Date	1/12/2021
Scale	SHOWN
Design	CL
Drawn	ET
Check	LT
Engr.	LT
Proj. No	202023

TOWN OF LOS GATOS  
COUNTY OF SANTA CLARA  
STATE OF CALIFORNIA



**GUARDRAIL REPLACEMENT  
MORE AVE  
PLAN SHEET**

REVISION NO.	BY	DATE

DRAWING NO.  
**L-5**  
SHEET NO.  
**6 OF 13**



CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THE REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.

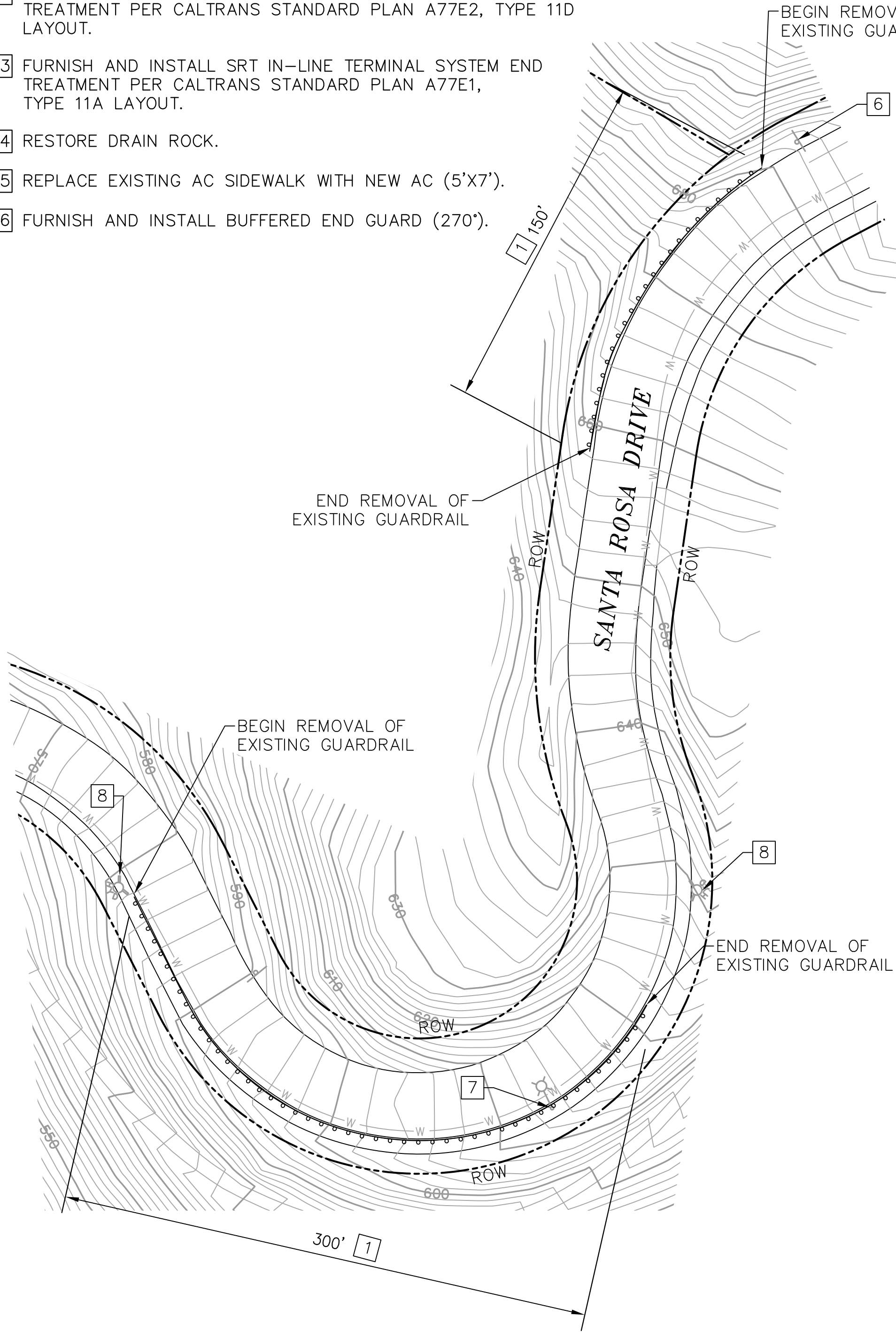
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PLOTTER: HP DesignJet T1100e

PROJECT NOTES (THIS SHEET):

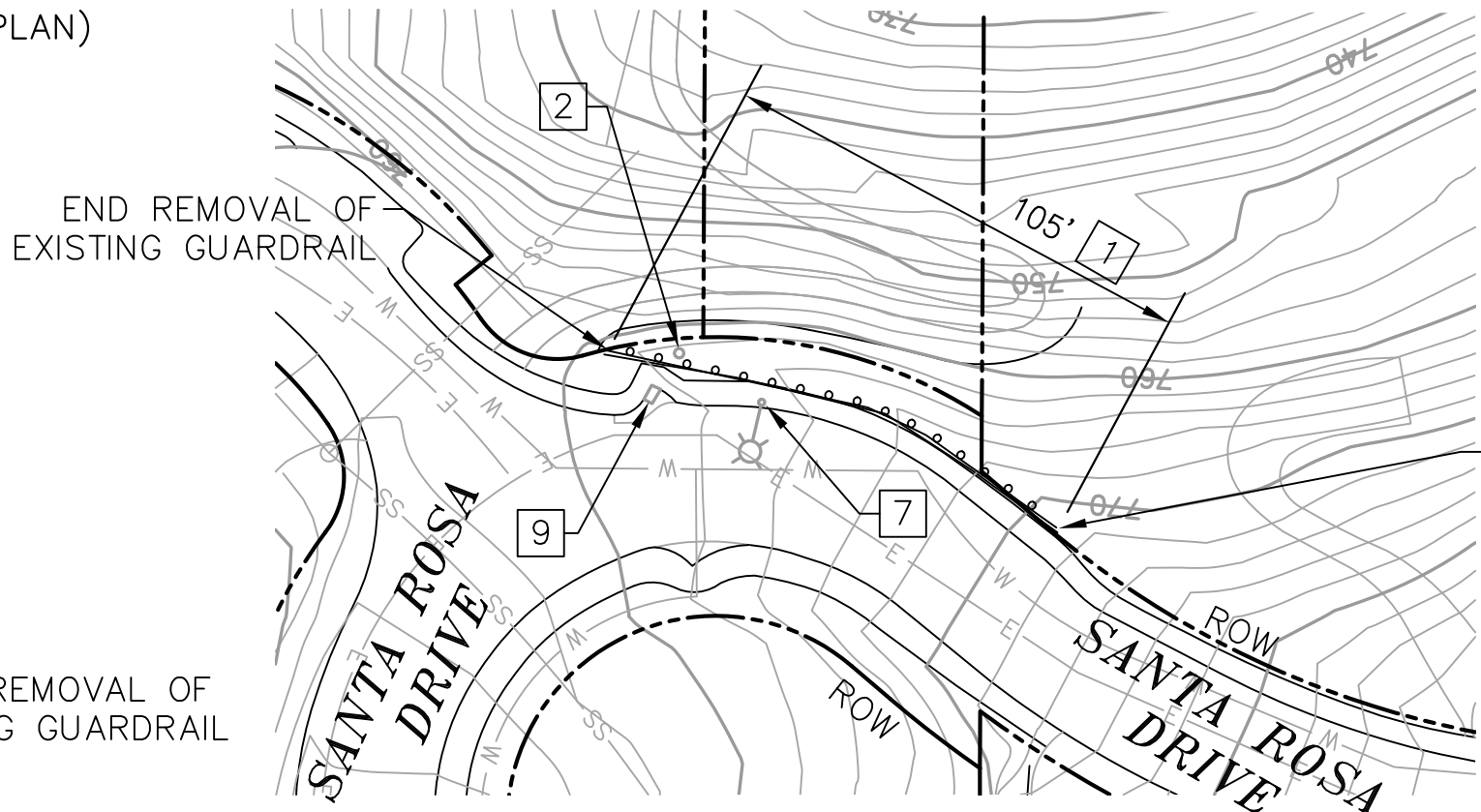
- 1 REMOVE AND DISPOSE OF EXISTING GUARDRAIL.
- 2 EXISTING 24"Ø CONCRETE FOUNDATION TO REMAIN IN PLACE.
- 3 FURNISH AND INSTALL NEW METAL BEAM GUARDRAIL PER CALTRANS STANDARD PLANS A77A1, A77C3 (DETAIL A), AND A77C4.
- 4 FURNISH AND INSTALL STANDARD LENGTH GUARDRAIL POSTS PER CALTRANS STANDARD PLANS A77A1 AND A77C3, DETAIL A.
- 5 FURNISH AND INSTALL DEEP GUARDRAIL POSTS PER CASE 6 FROM EXHIBIT 1610-9 OF WSDOT DESIGN MANUAL M22-01.18. REFER TO SHEET DET-5.
- 6 EXISTING SIGN TO REMAIN IN PLACE.
- 7 EXISTING STREET LIGHT TO REMAIN IN PLACE.
- 8 EXISTING FIRE HYDRANT TO REMAIN IN PLACE.
- 9 EXISTING DRAIN INLET TO REMAIN IN PLACE.
- 10 FURNISH AND INSTALL MAX TENSION TL-2 IN-LINE TERMINAL SYSTEM END TREATMENT PER CALTRANS STANDARD PLAN A77E1, TYPE 11A LAYOUT.
- 11 FURNISH AND INSTALL TYPE SFT END ANCHOR ASSEMBLY FOR TYPE 11A LAYOUT ON CALTRANS STANDARD PLANS A77E1 & A77H1.
- 12 FURNISH AND INSTALL SKT IN-LINE TERMINAL SYSTEM END TREATMENT PER CALTRANS STANDARD PLAN A77E2, TYPE 11D LAYOUT.
- 13 FURNISH AND INSTALL SRT IN-LINE TERMINAL SYSTEM END TREATMENT PER CALTRANS STANDARD PLAN A77E1, TYPE 11A LAYOUT.
- 14 RESTORE DRAIN ROCK.
- 15 REPLACE EXISTING AC SIDEWALK WITH NEW AC (5'x7').
- 16 FURNISH AND INSTALL BUFFERED END GUARD (270').

GENERAL LEGEND

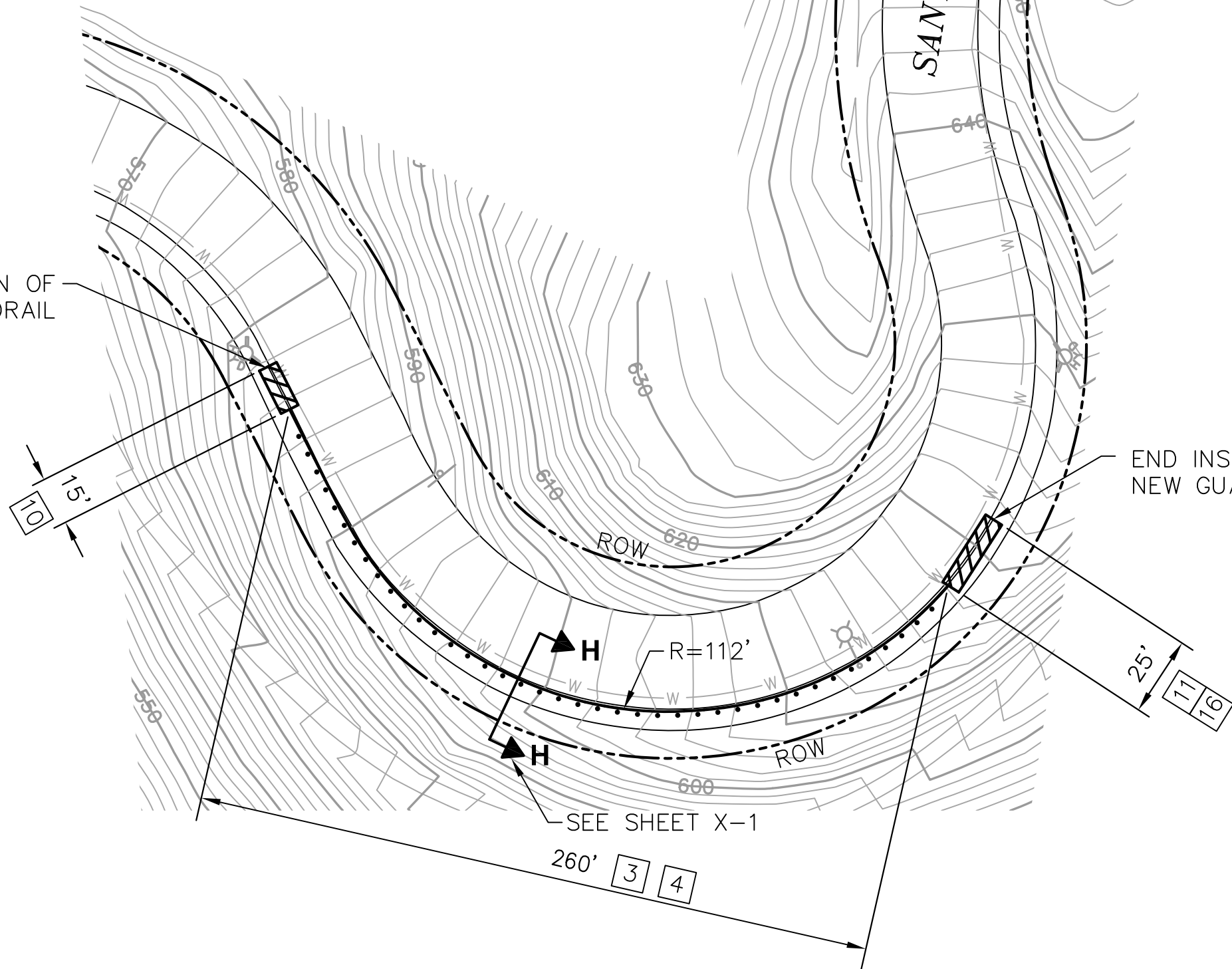
- EX FIRE HYDRANT
- EX POWER POLE
- EX SIGN
- EX STORM DRAIN INLET
- EX GUARDRAIL
- NEW GUARDRAIL
- NEW GUARDRAIL END TREATMENT (TYPE & LENGTH AS SHOWN ON THE PLAN)



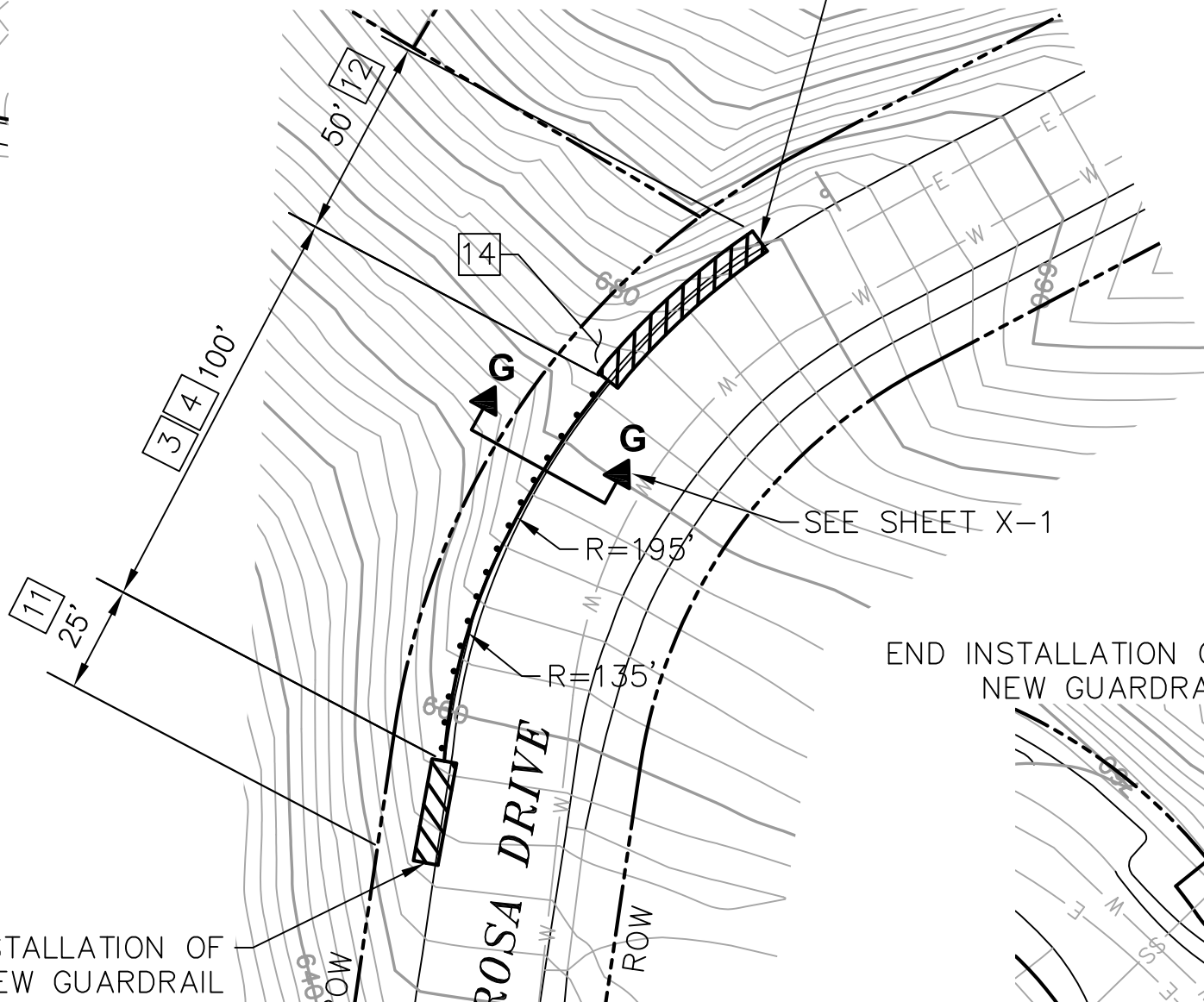
EXISTING CONDITIONS



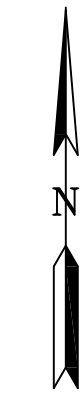
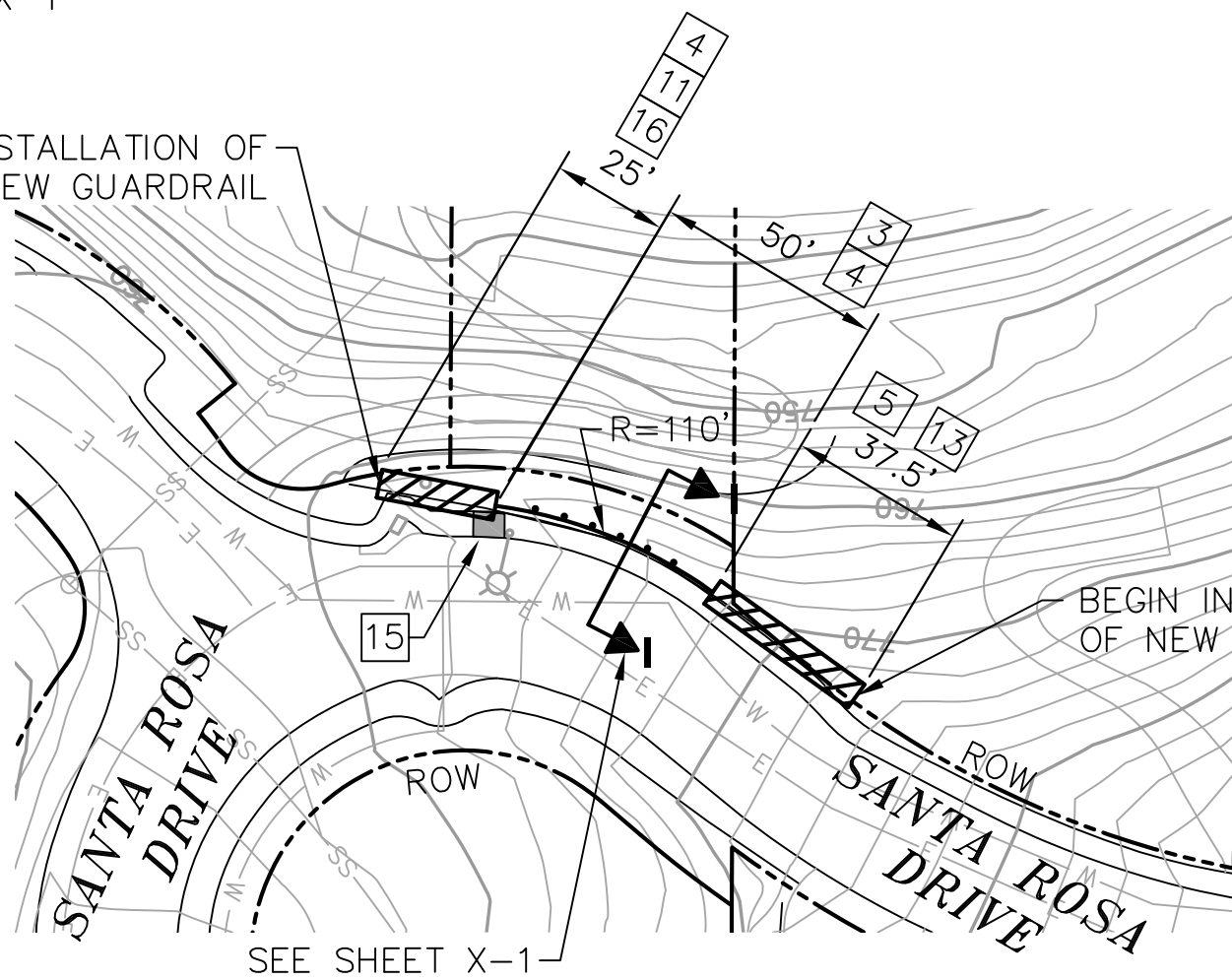
BEGIN INSTALLATION OF NEW GUARDRAIL



PROPOSED CONDITIONS



END INSTALLATION OF NEW GUARDRAIL



SANTA ROSA DRIVE – BASE BID

1/12/2021

Date

1/12/2021

Scale

1/12/2021

Design

1/12/2021

Drawn

1/12/2021

Check

1/12/2021

Engr.

1/12/2021

Proj. No.

1/12/2021

Scale

1/12/2021

Design

1/12/2021

Drawn

1/12/2021

Check

1/12/2021

Engr.

1/12/2021

Proj. No.

TOWN OF LOS GATOS  
COUNTY OF SANTA CLARA  
STATE OF CALIFORNIA

RJA

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GUARDRAIL REPLACEMENT  
SANTA ROSA DR  
PLAN SHEET

REVISION NO.

DATE

BY

DRAWING NO.

L-6

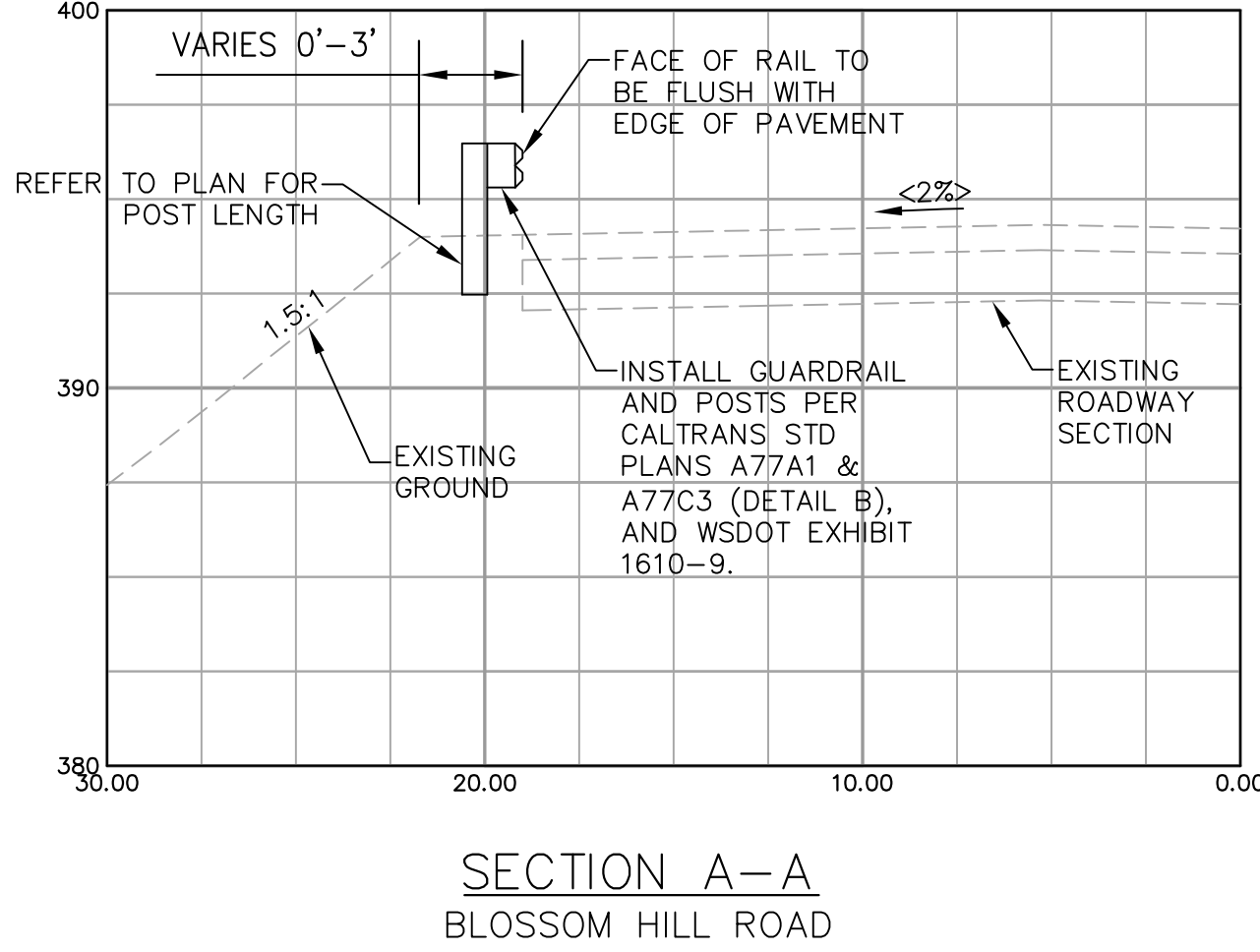
SHEET NO.

7 OF 13

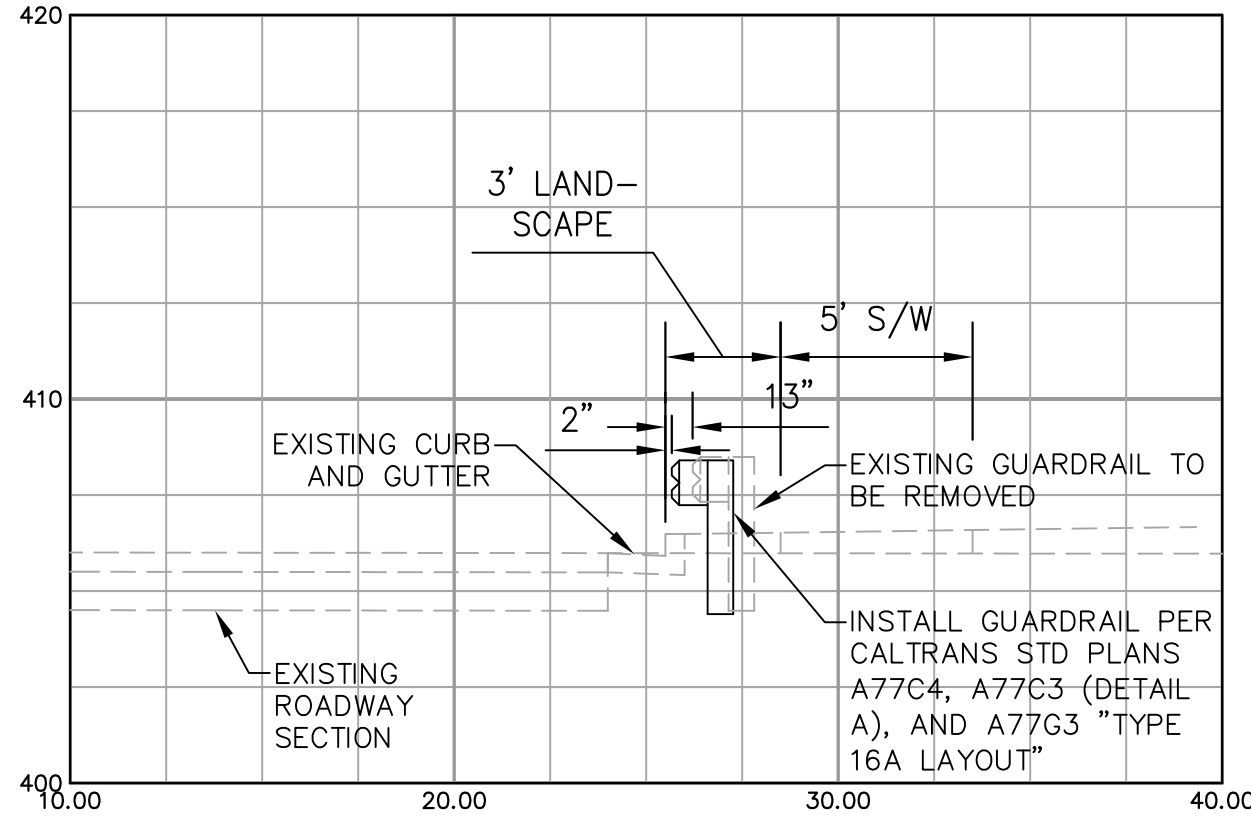


CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.

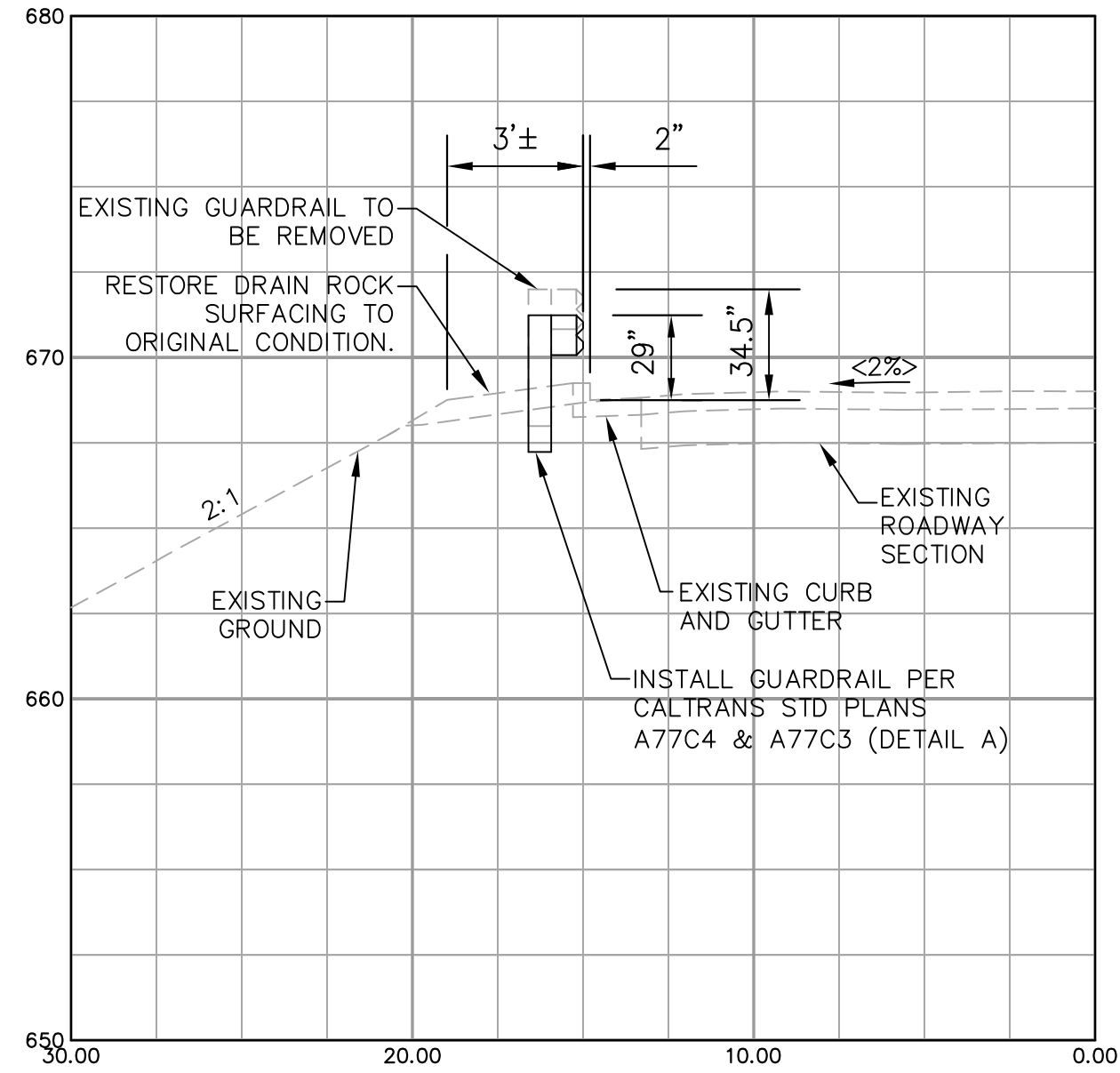
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DRAWING NO.: 08-1-1-1  
DRAWING DATE: 2/1/2023  
DRAWING BY: J. JENSEN  
DRAWING CHECKED BY: J. JENSEN  
DRAWING APPROVED BY: J. JENSEN  
DRAWING SCALE: 1"=10'-0"



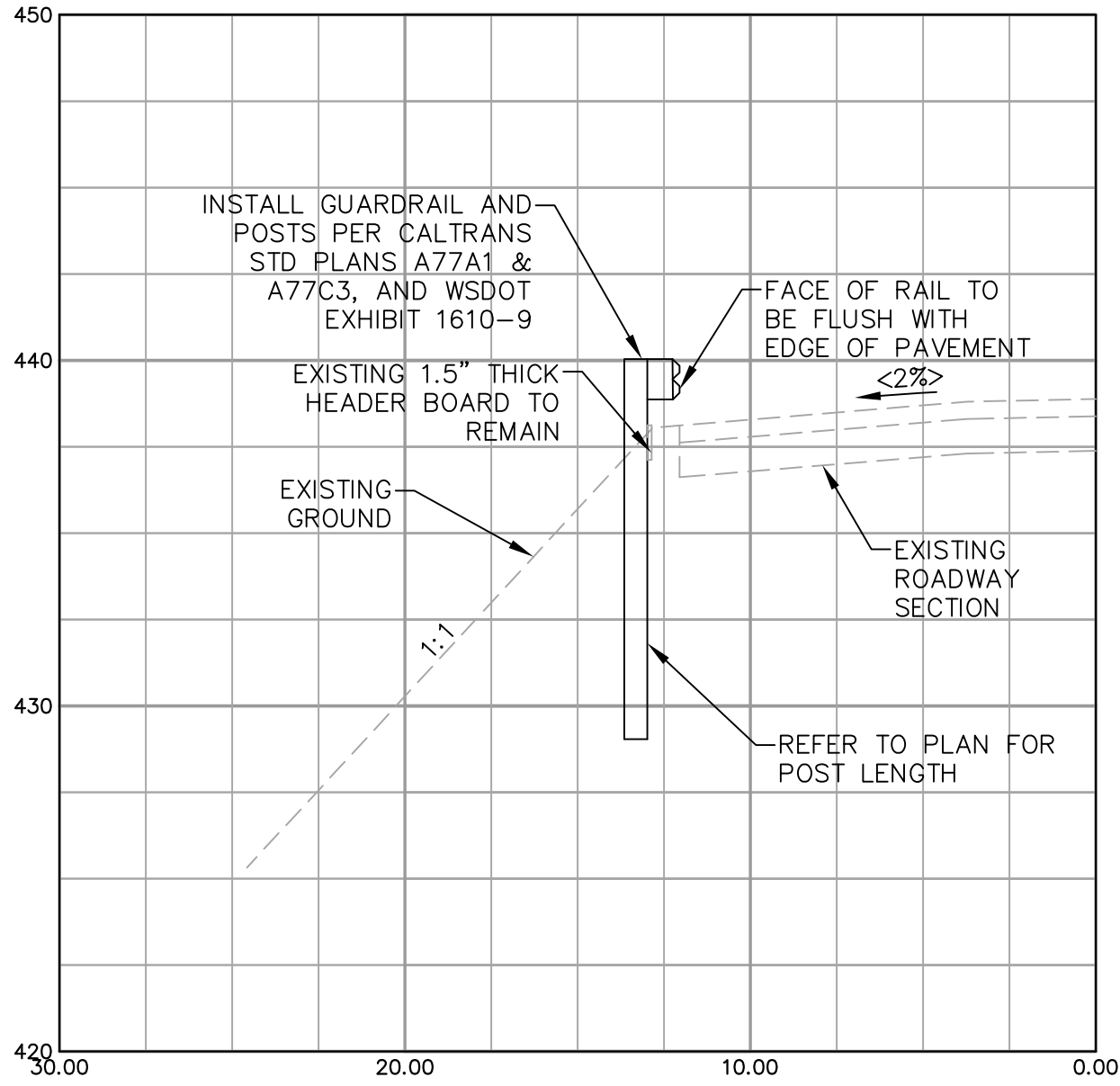
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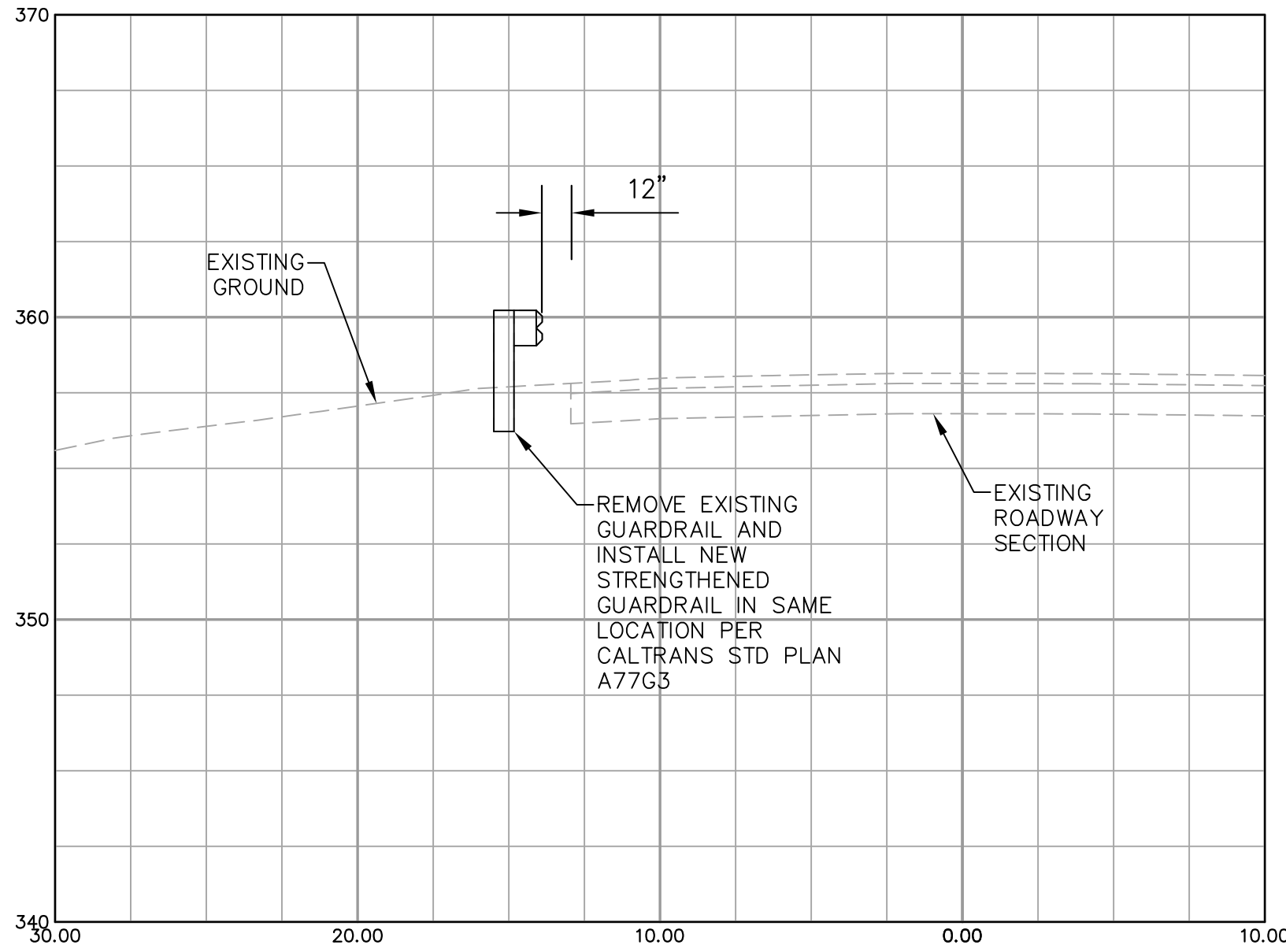
SECTION D-D  
LOS GATOS BLVD



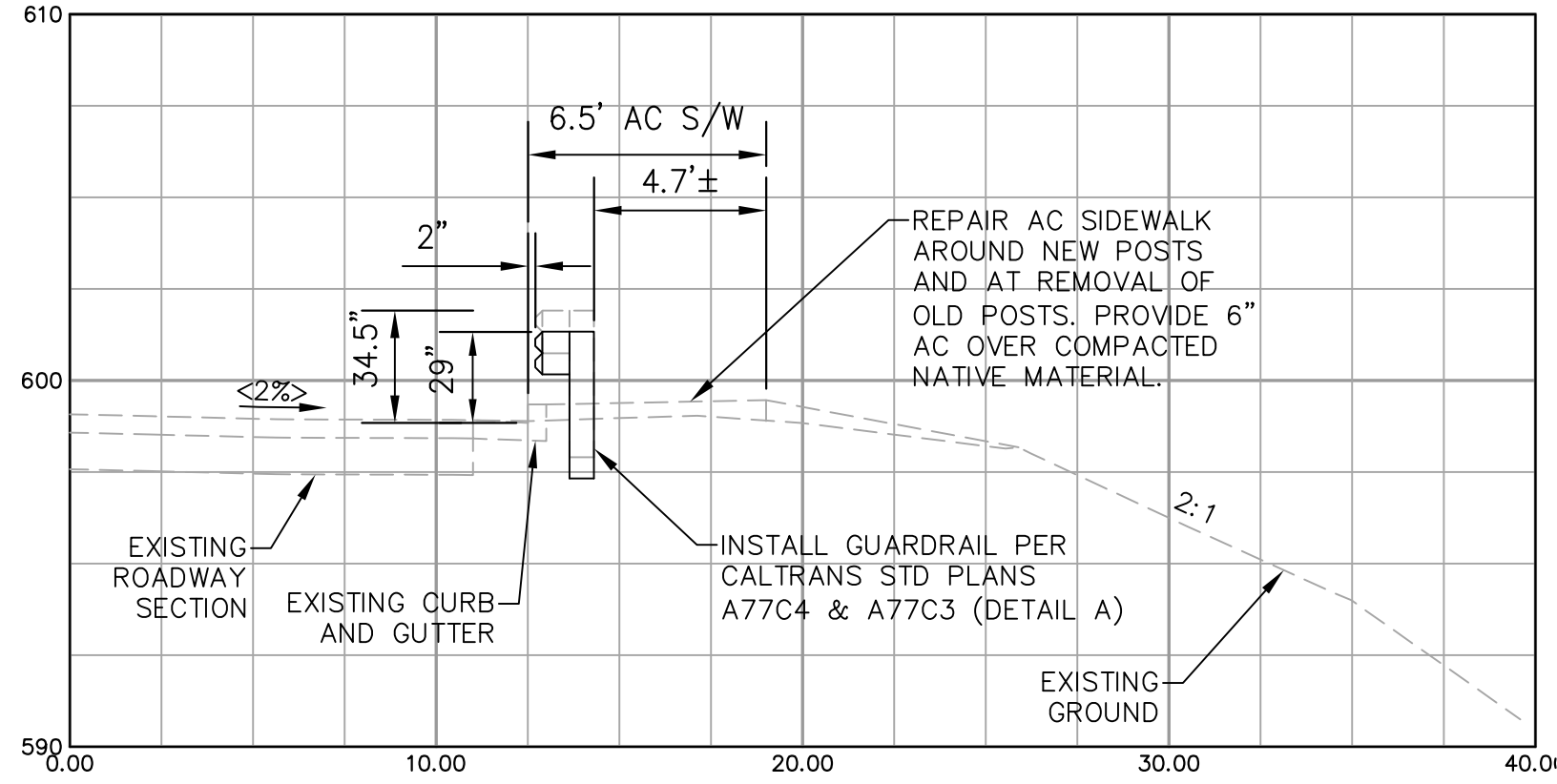
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SANTA ROSA DRIVE



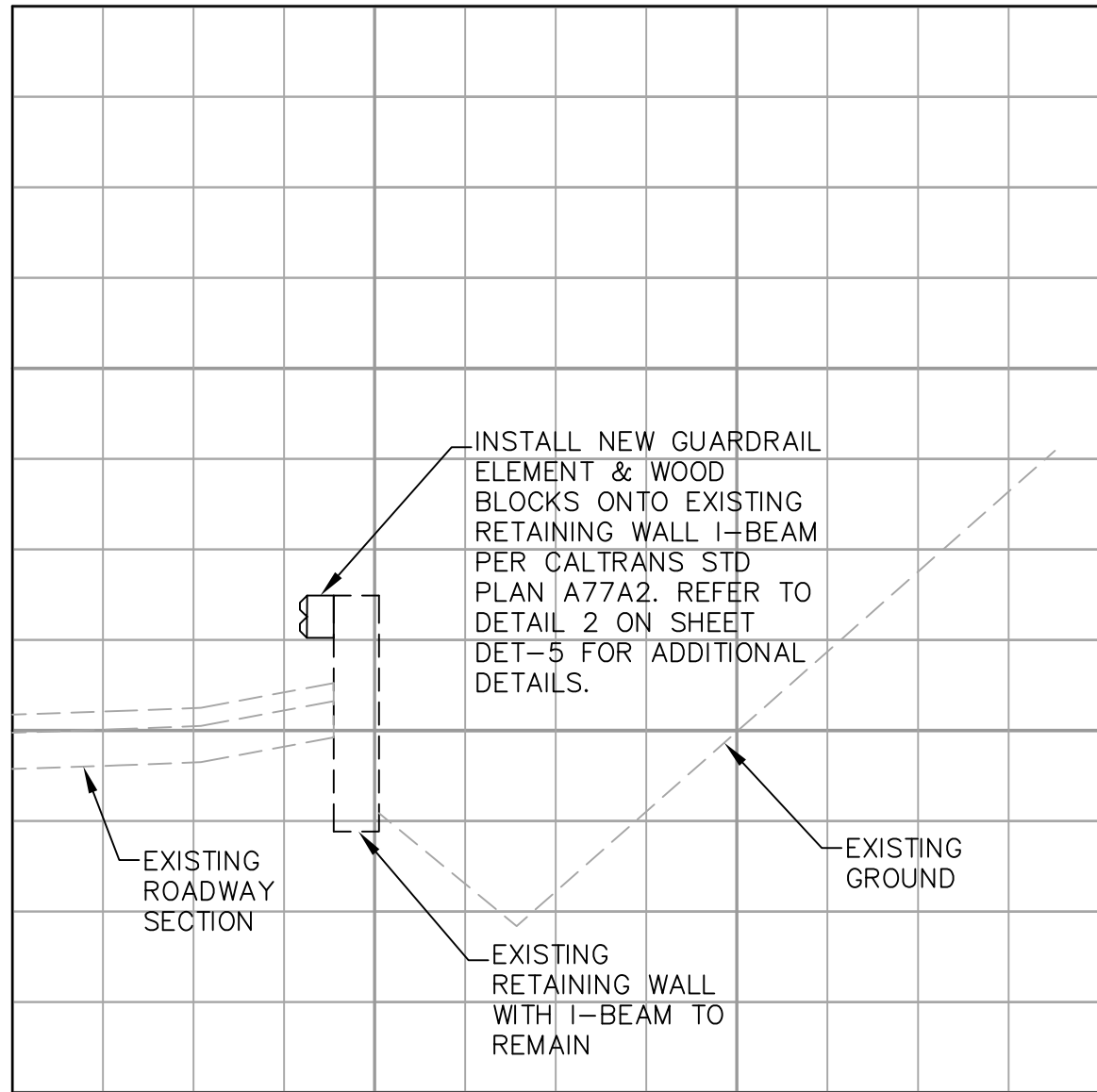
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CLELAND AVENUE



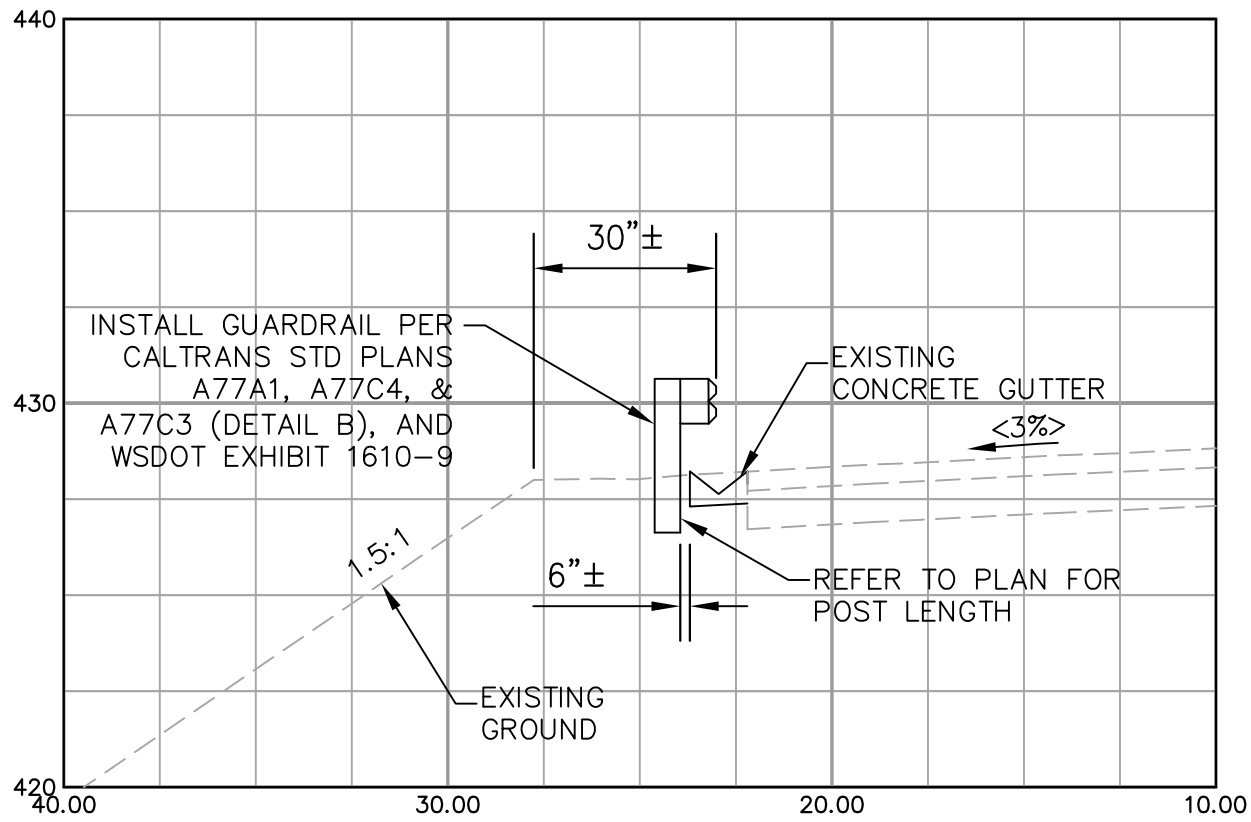
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MILES AVENUE



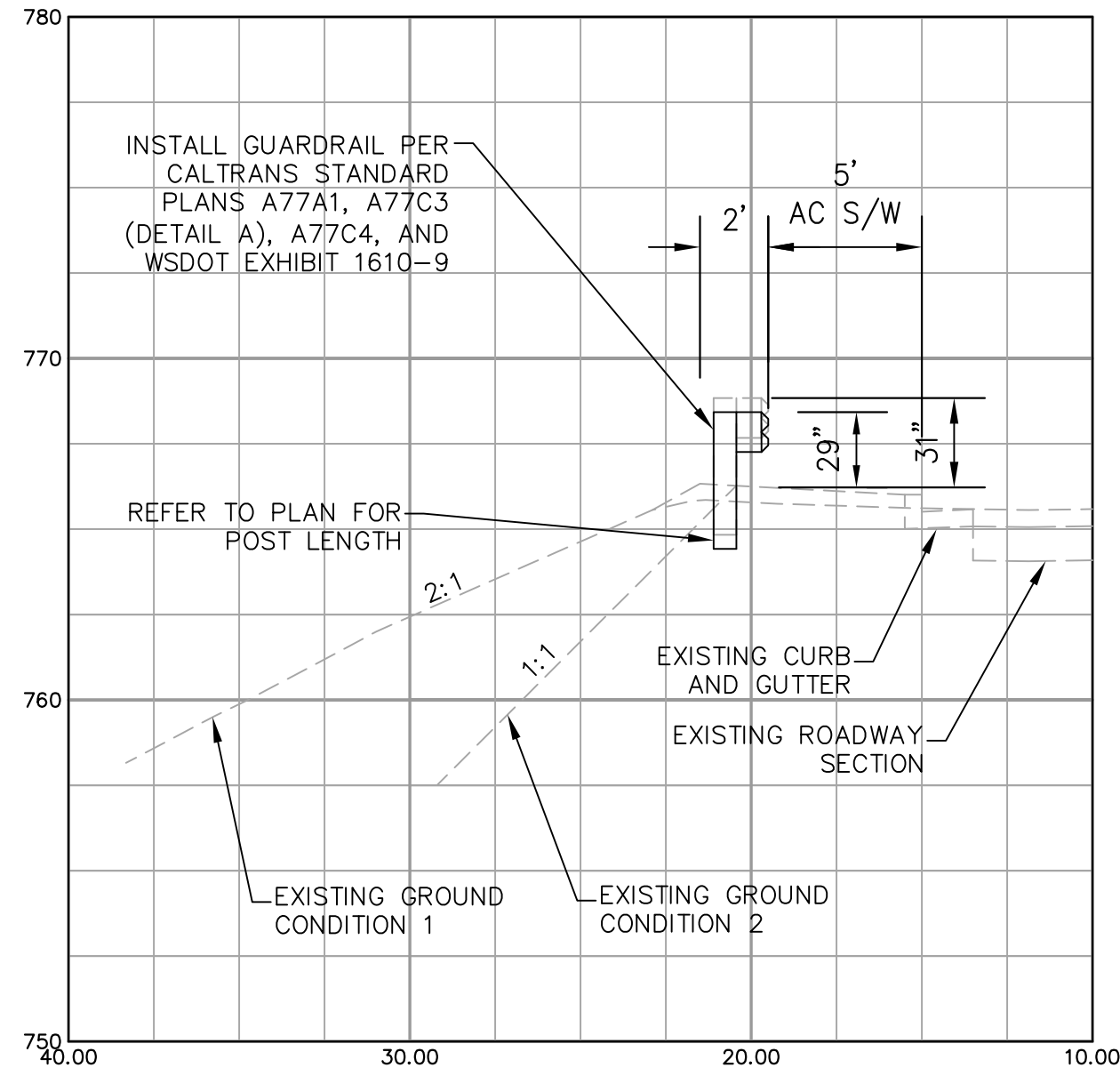
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SANTA ROSA DRIVE



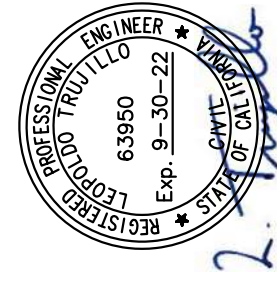
SECTION C-C  
RESERVOIR ROAD



SECTION F-F  
MORE AVENUE



SECTION I-I  
SANTA ROSA DRIVE



Date	1/12/2021
Scale	SHOWN
Design	CL
Drawn	ET
Check	LT
Engr.	LT
Proj. No	202023

TOWN OF LOS GATOS  
COUNTY OF SANTA CLARA  
STATE OF CALIFORNIA

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1005 CAMP AVE, SUITE 200  
SAN JOSE, CA 95128  
PHONE (408) 848-0300 FAX (408) 848-0302

GUARDRAIL REPLACEMENT  
CROSS SECTIONS

REVISION NO.	DATE	BY

DRAWING NO.  
**X-1**  
SHEET NO.  
**8 OF 13**

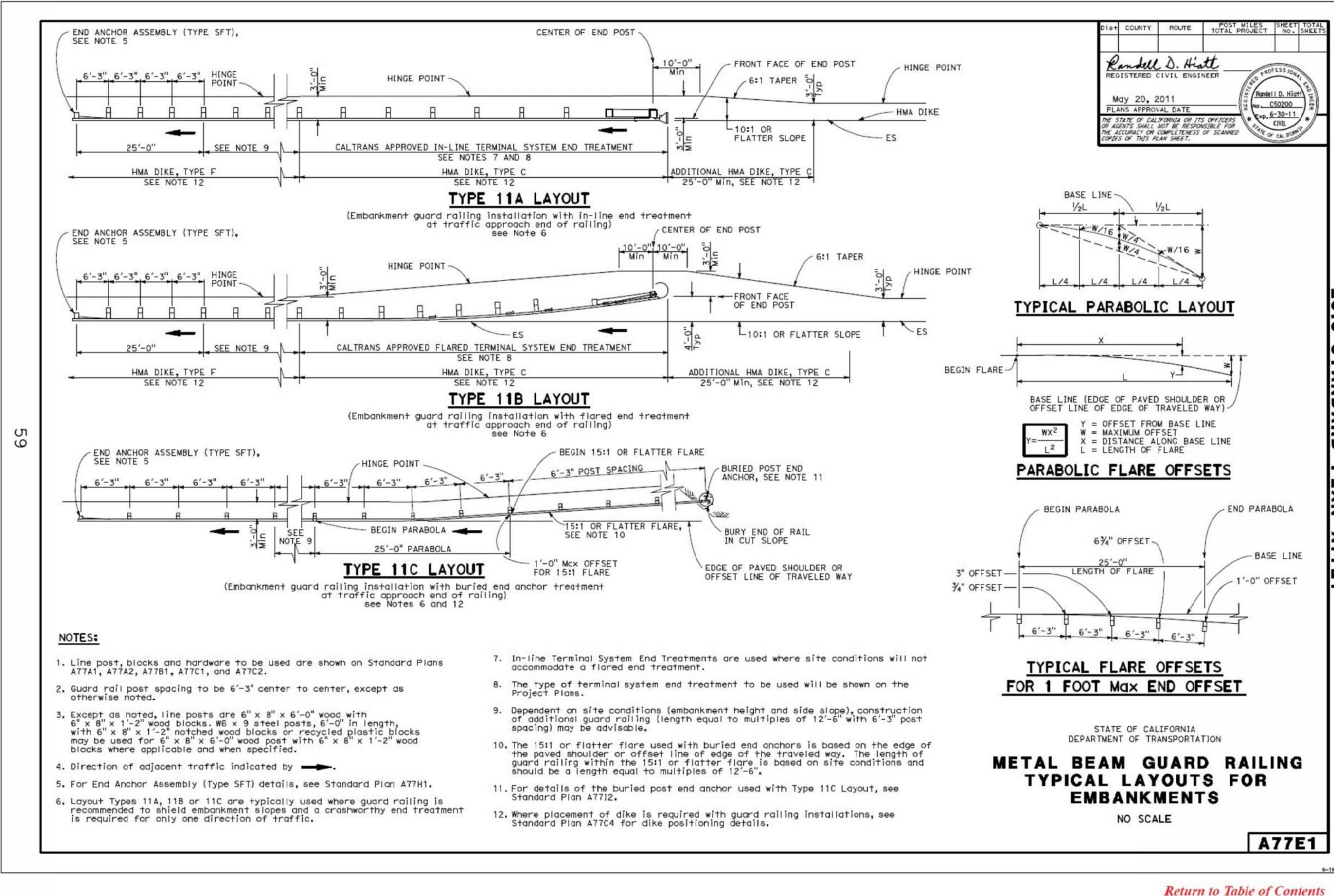
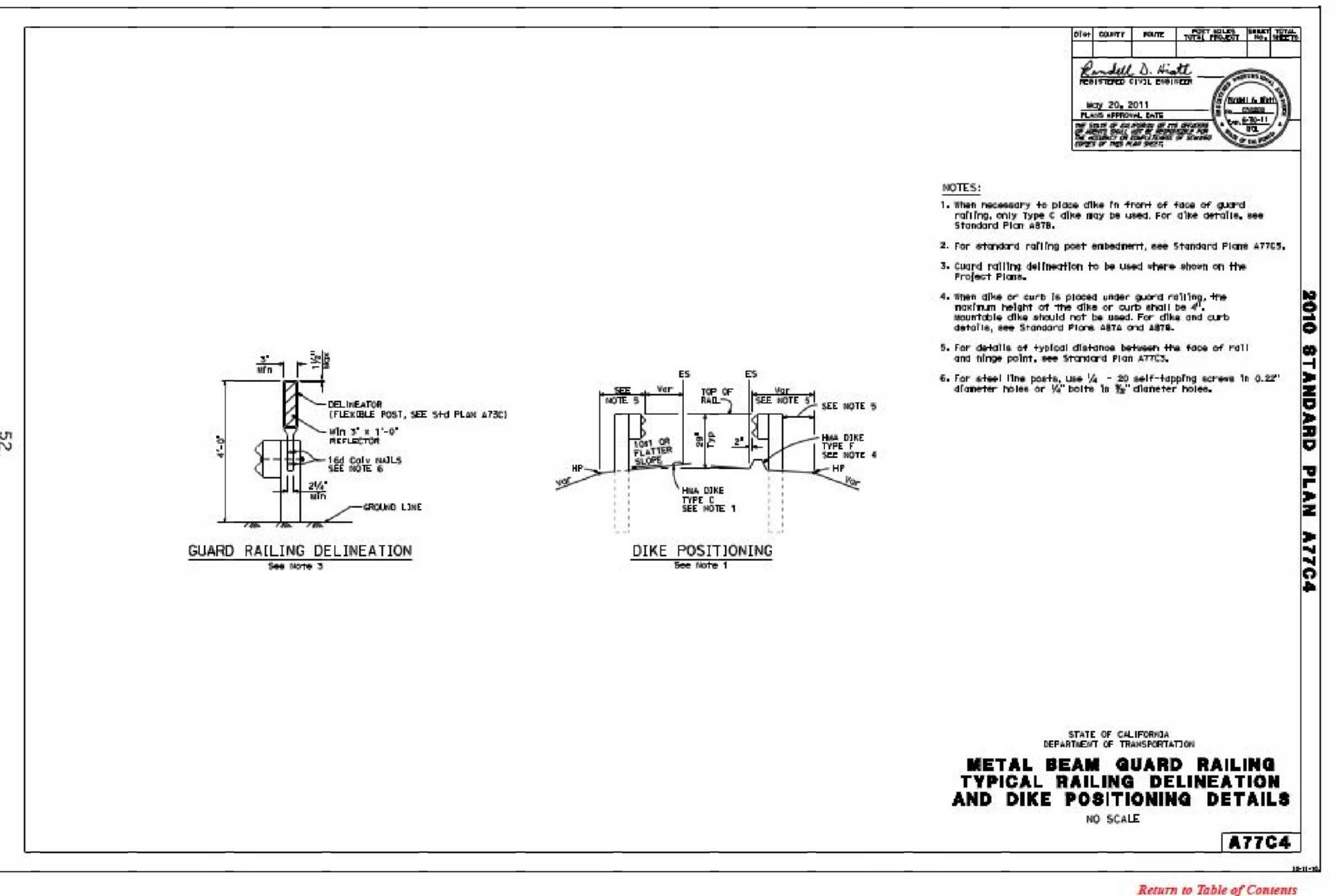
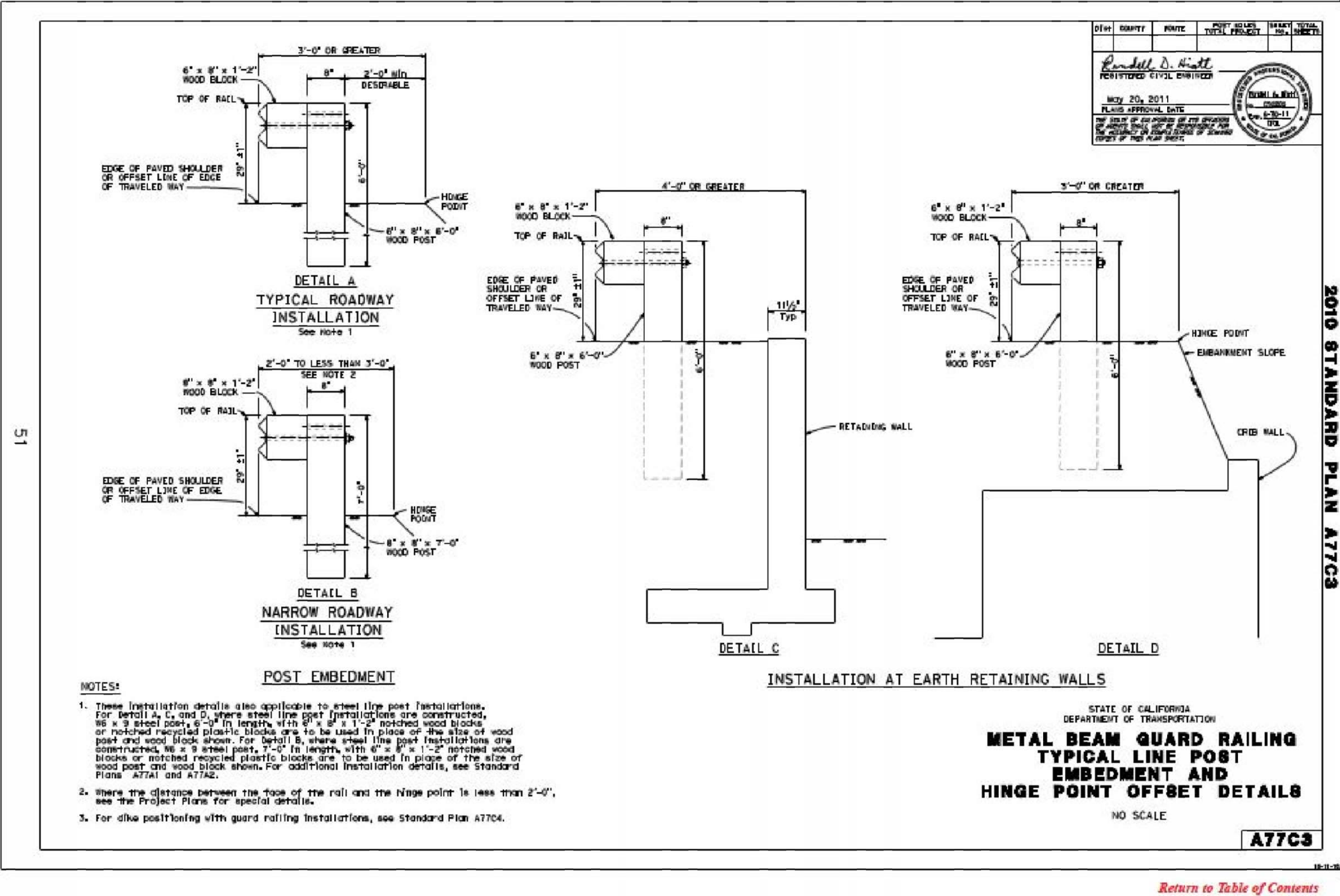
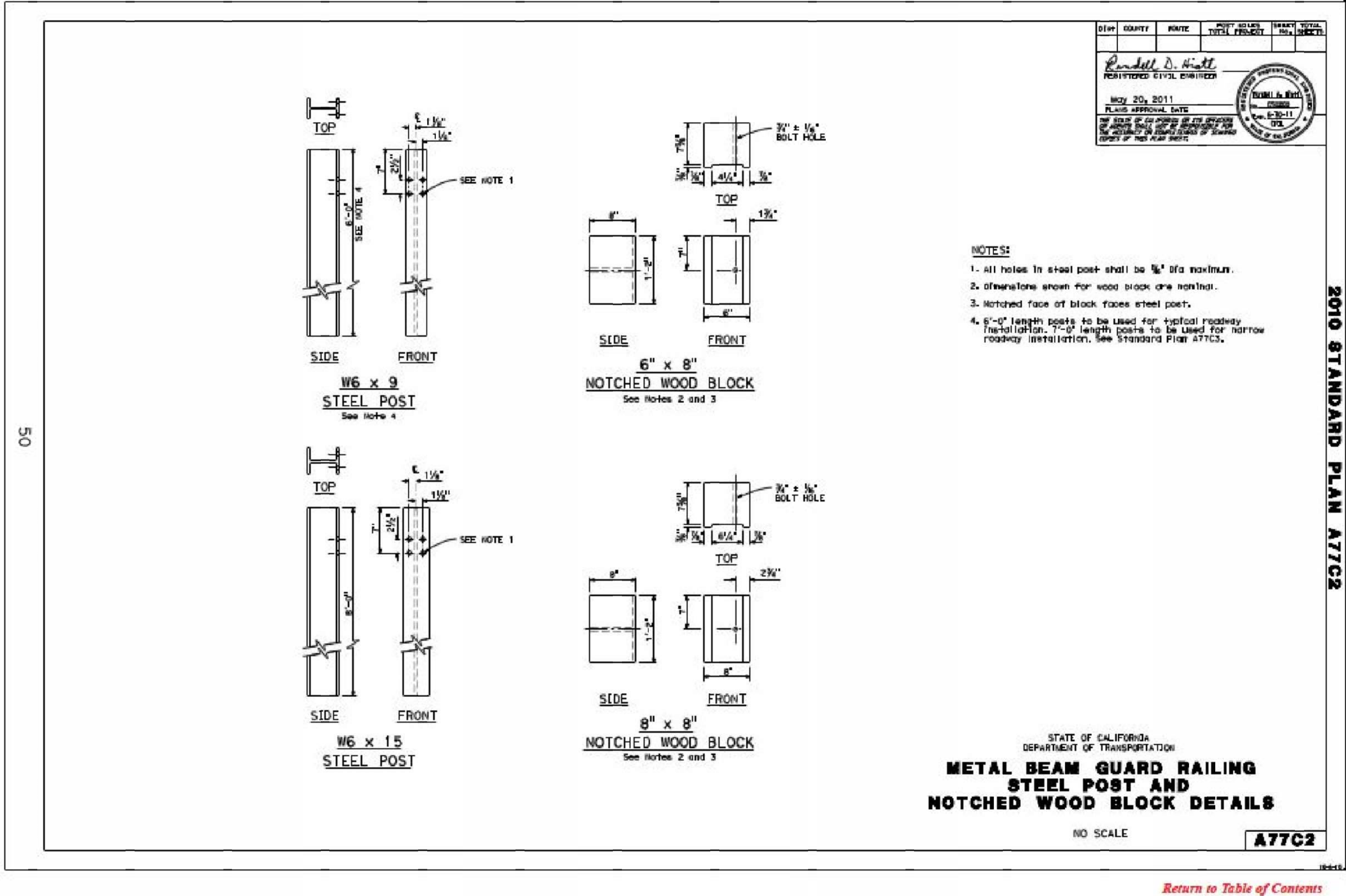




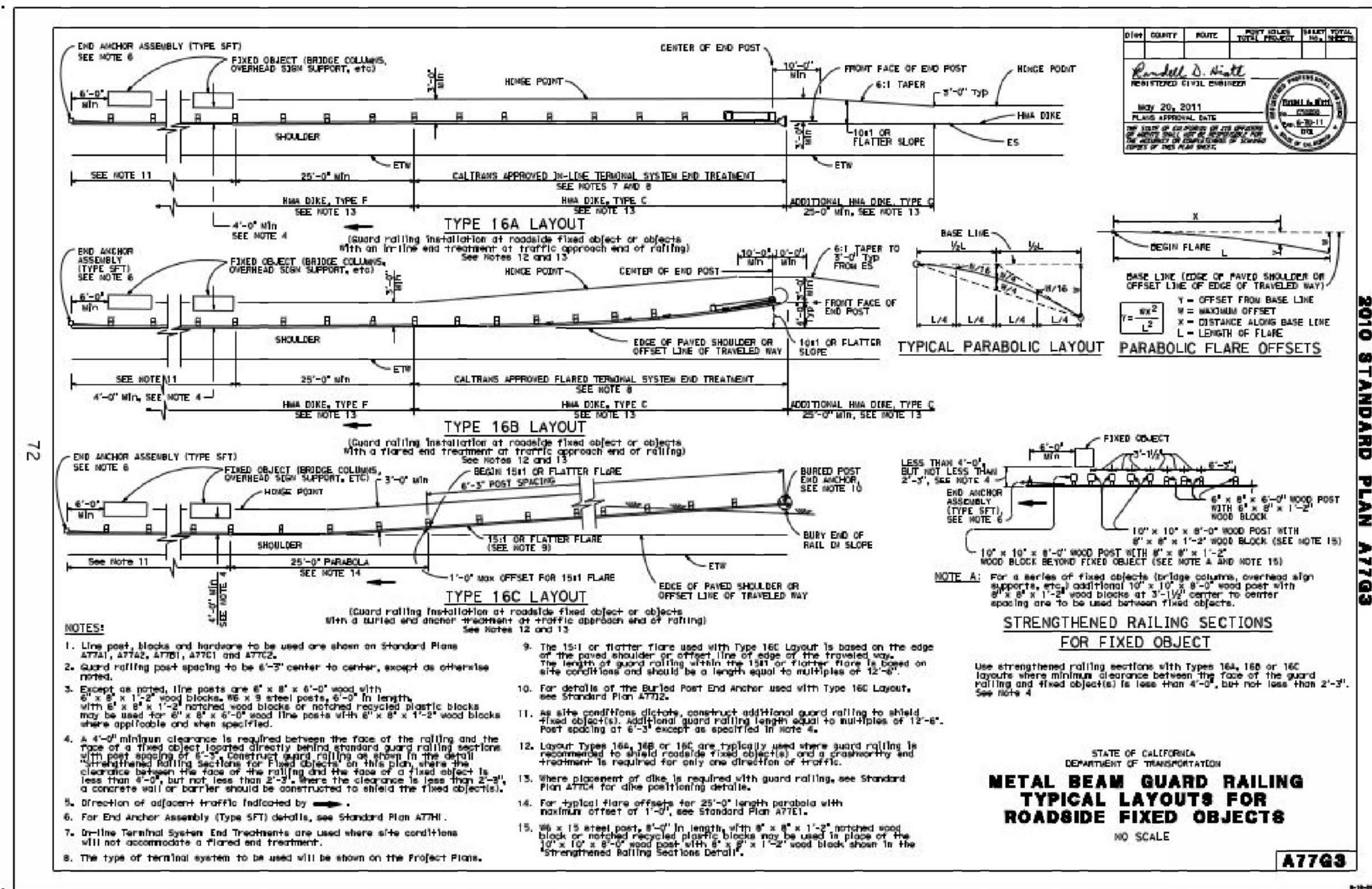


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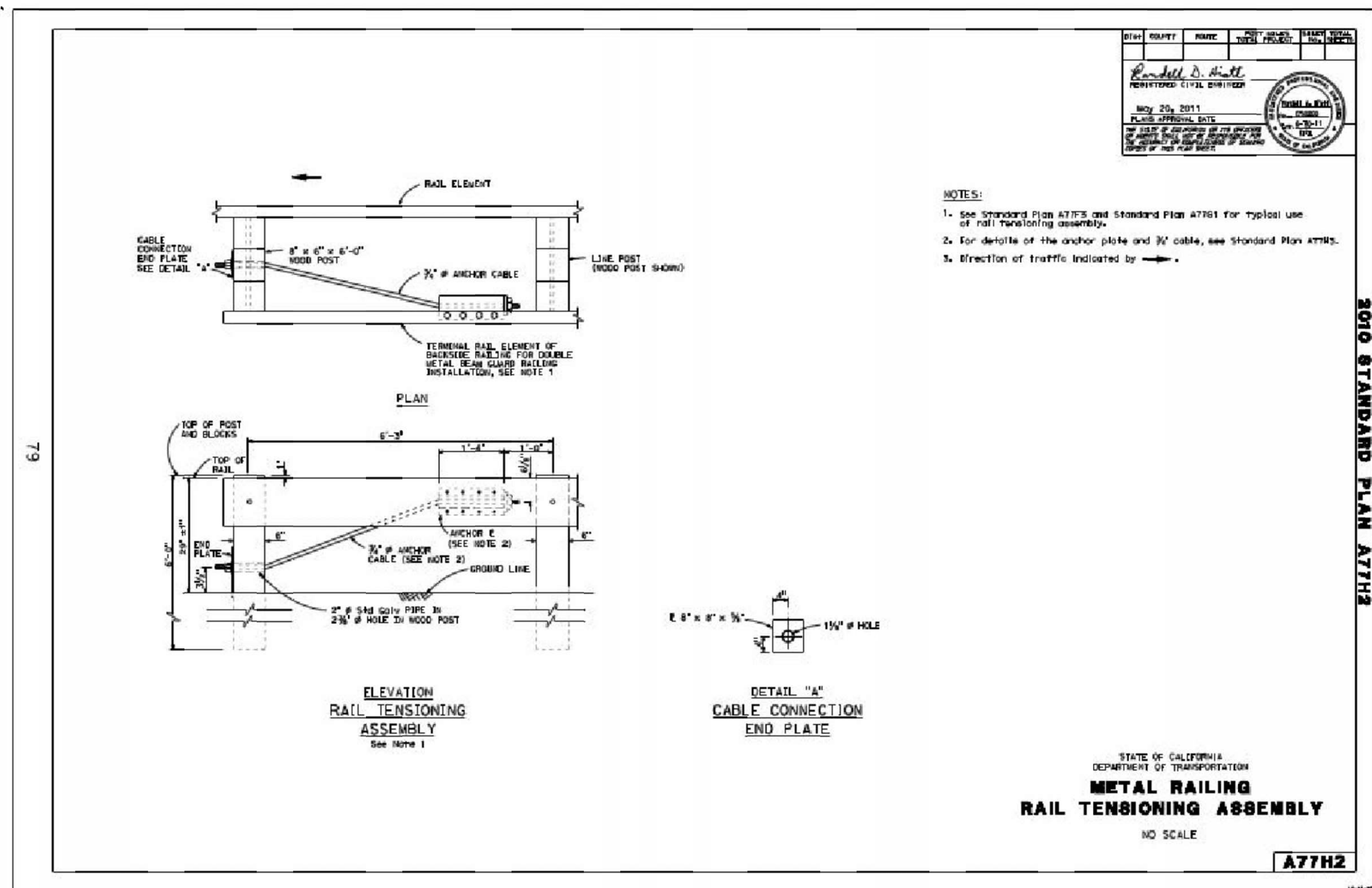
2010 STANDARD PLAN A77C2  
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DATE: 10/12/2023  
PLOTTER: PLOT



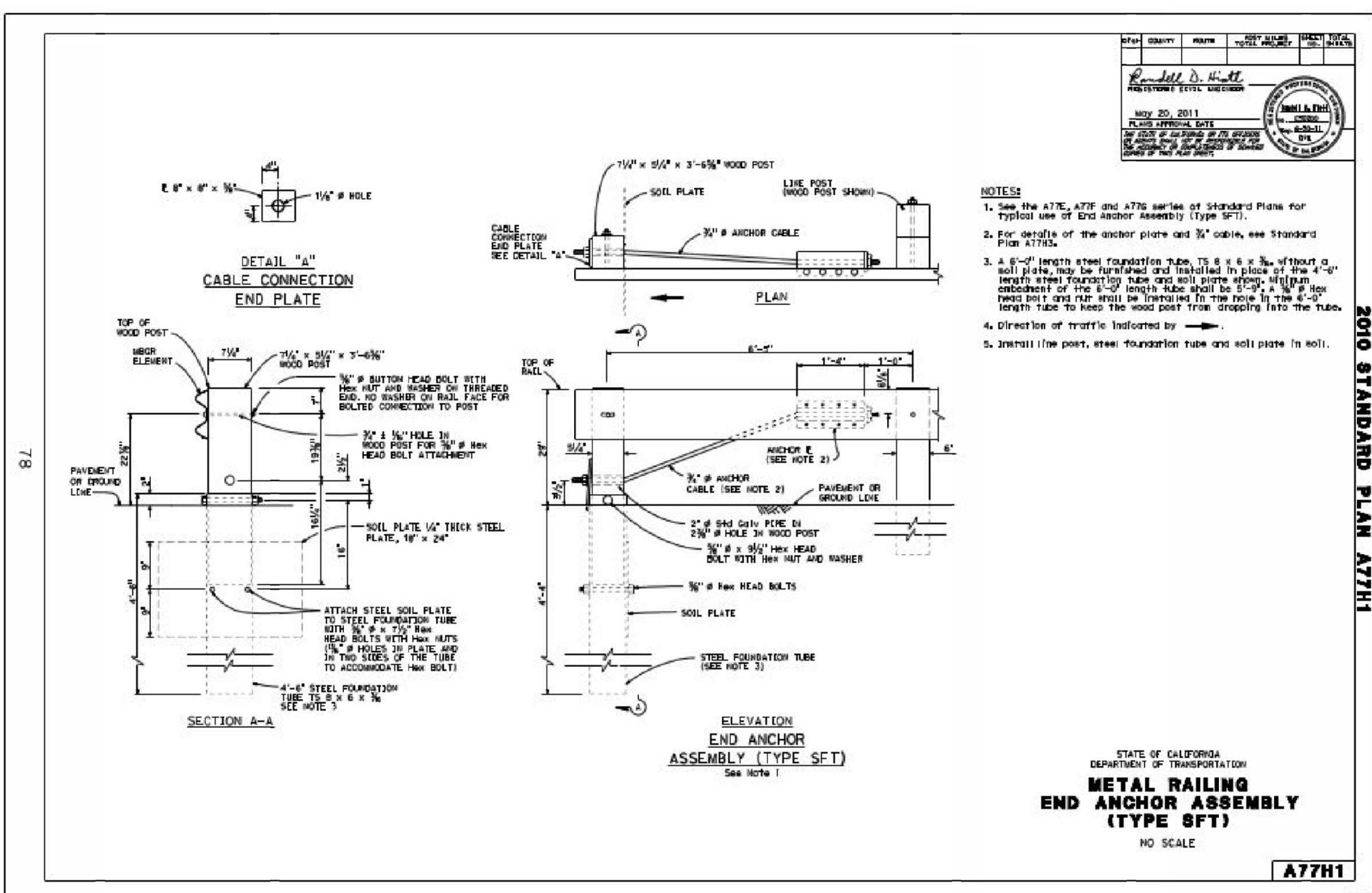




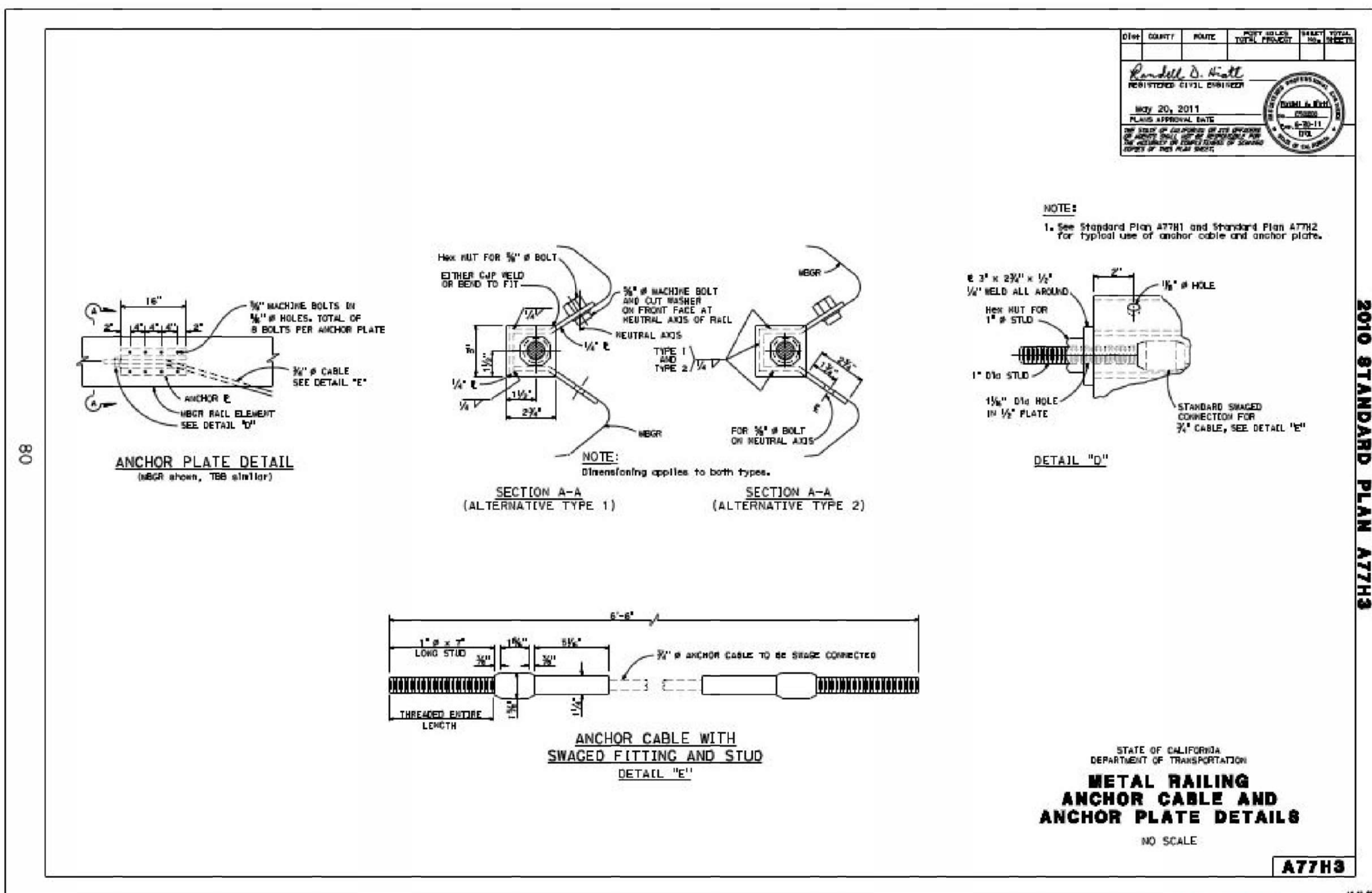
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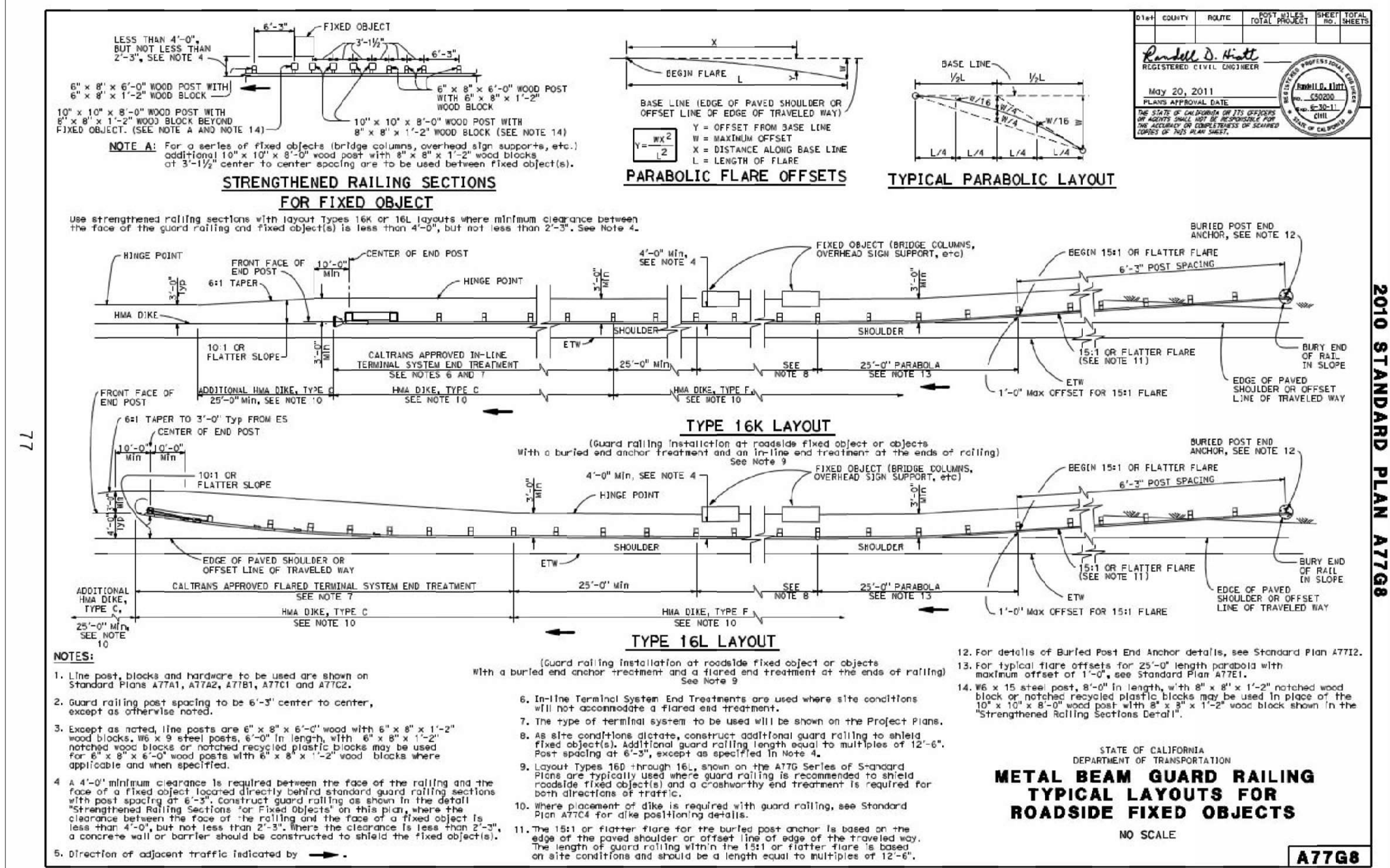


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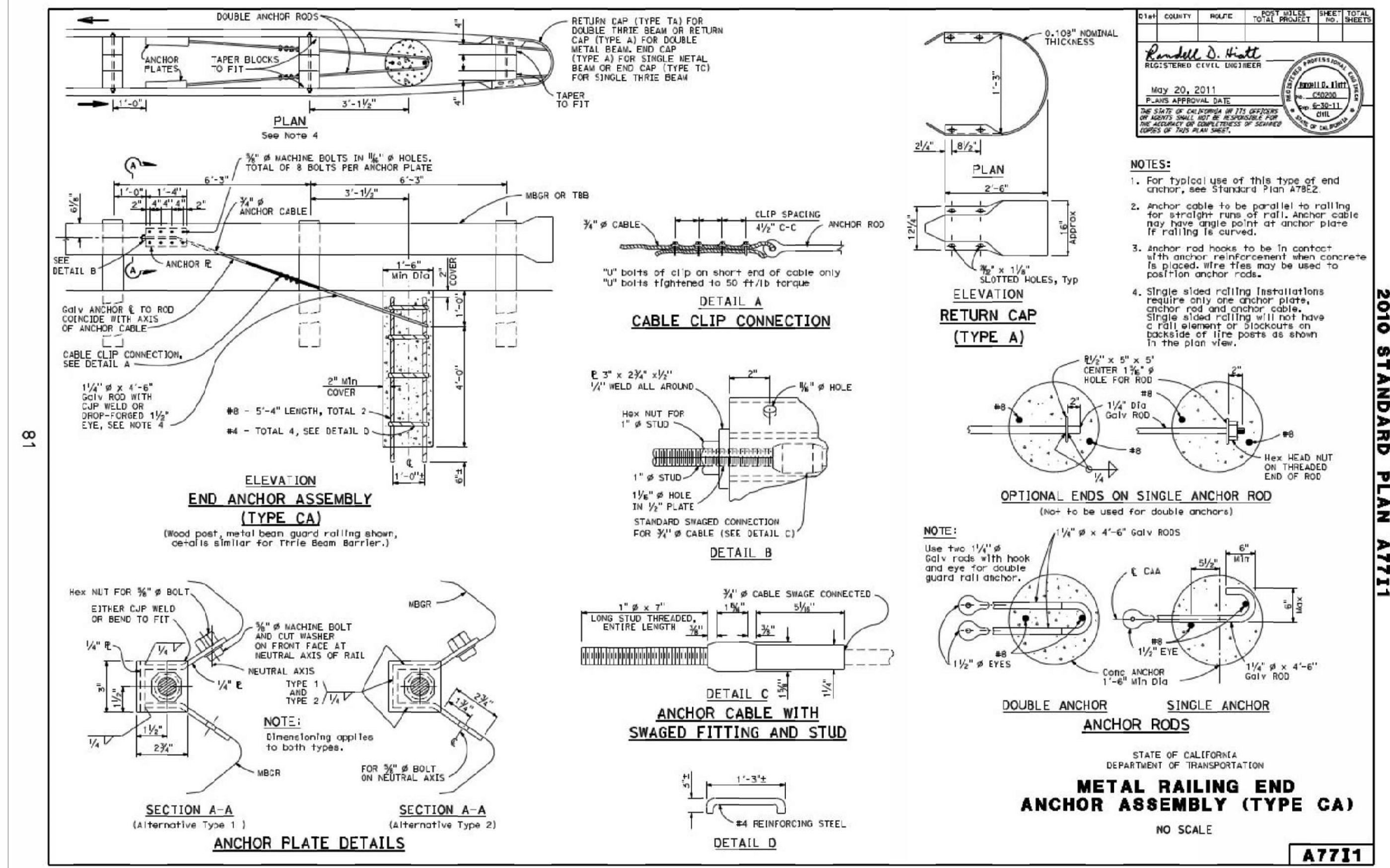


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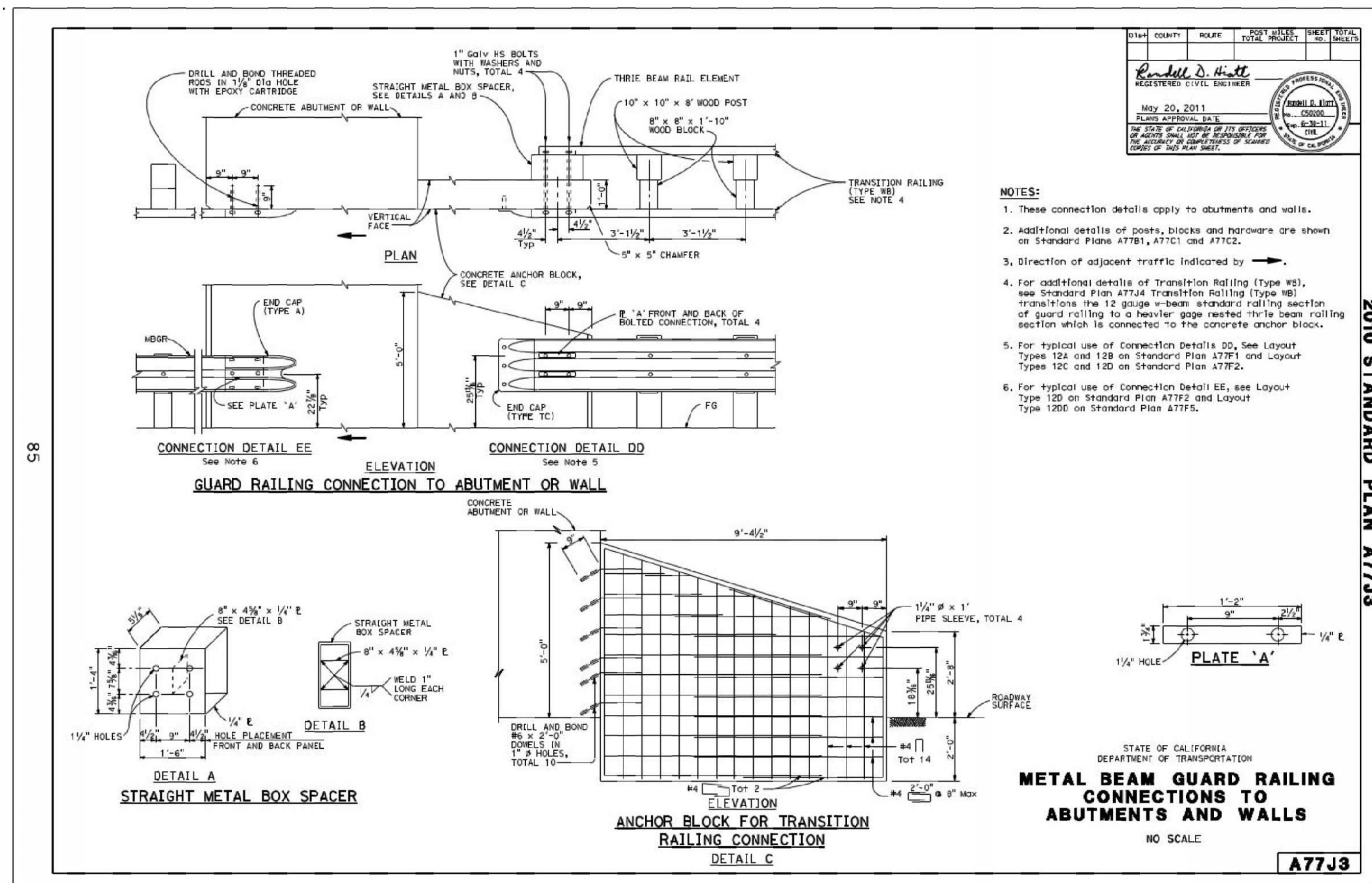




[Return to Table of Contents](#)



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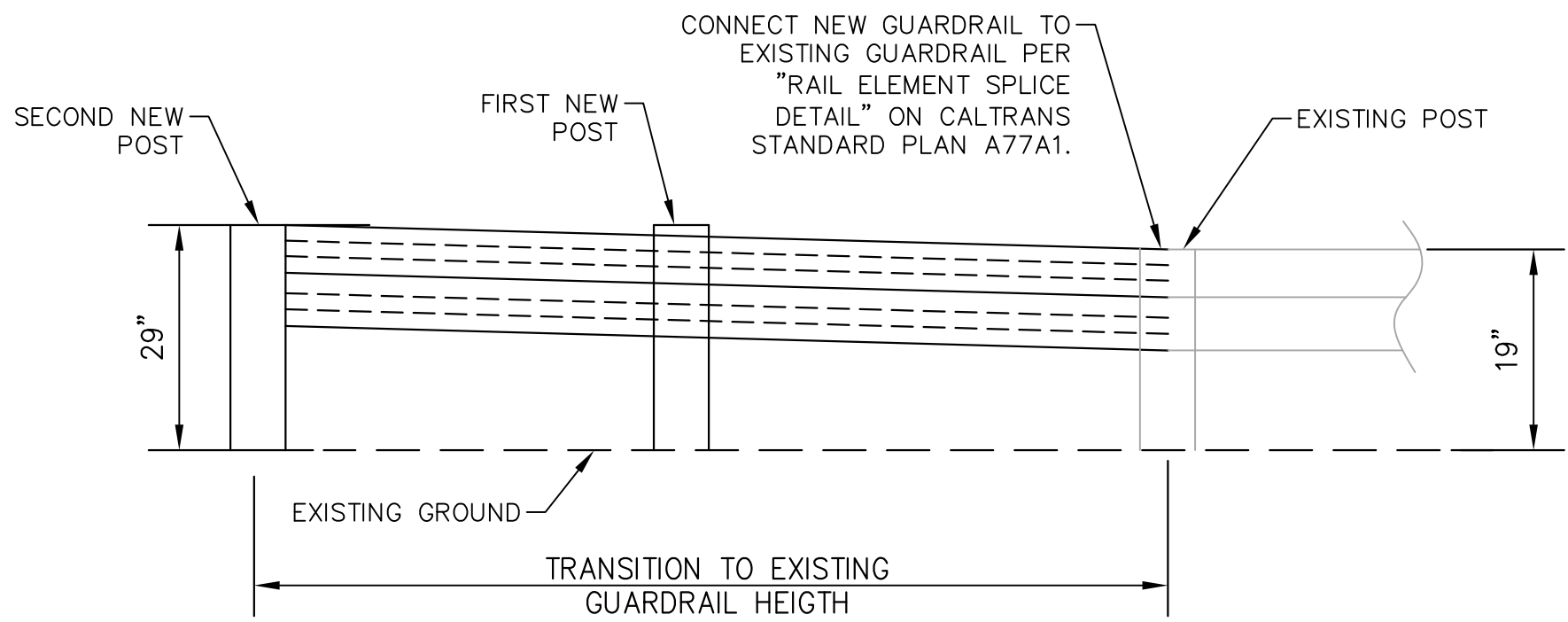


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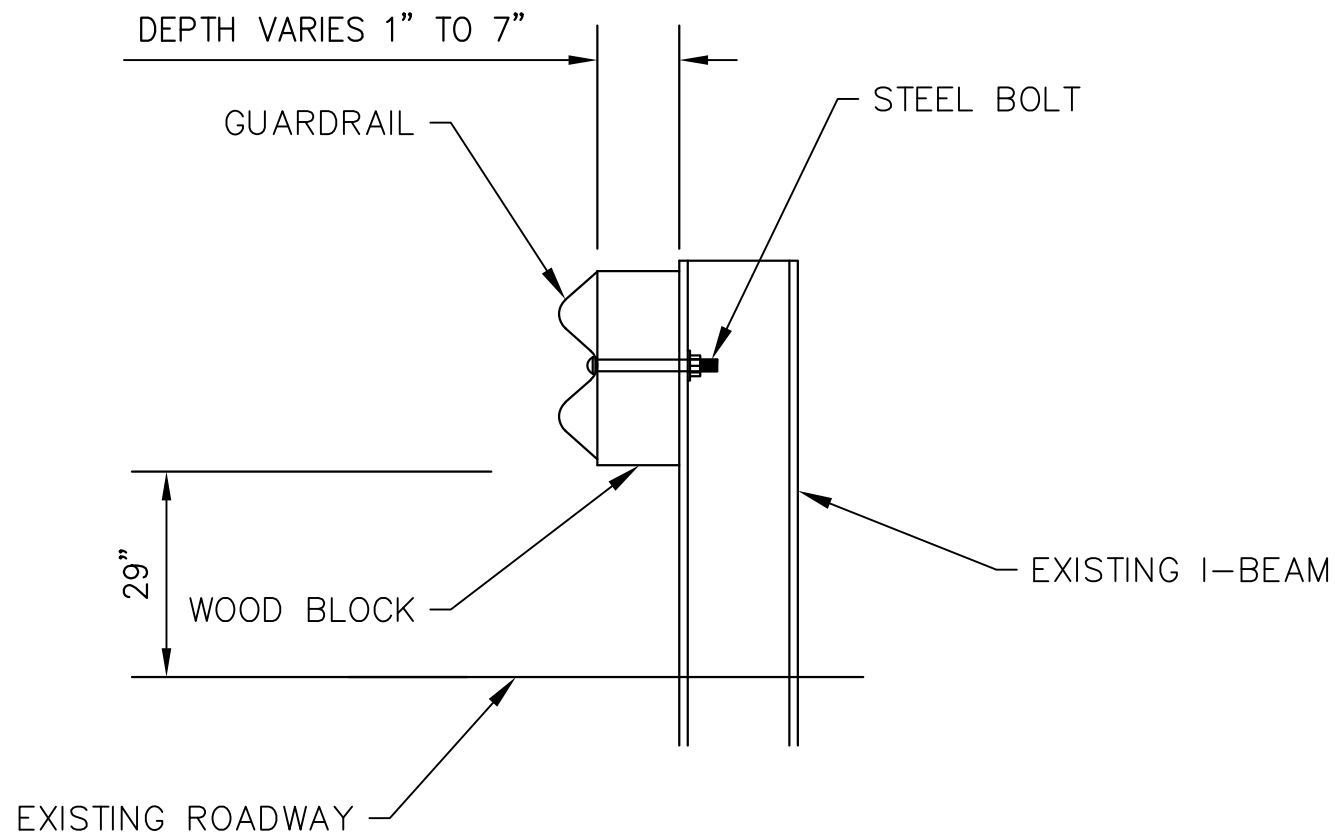


CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THE REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.

DRAWING NAME: 201002023 - Los Gatos GRN Guardrail Replacement Standard Details  
PLOTTER: 251002023 - Los Gatos GRN Guardrail Replacement Standard Details  
PLOTTER: 251002023 - Los Gatos GRN Guardrail Replacement Standard Details



DETAIL 1: CONNECT NEW GUARDRAIL TO EXISTING GUARDRAIL  
NOT TO SCALE



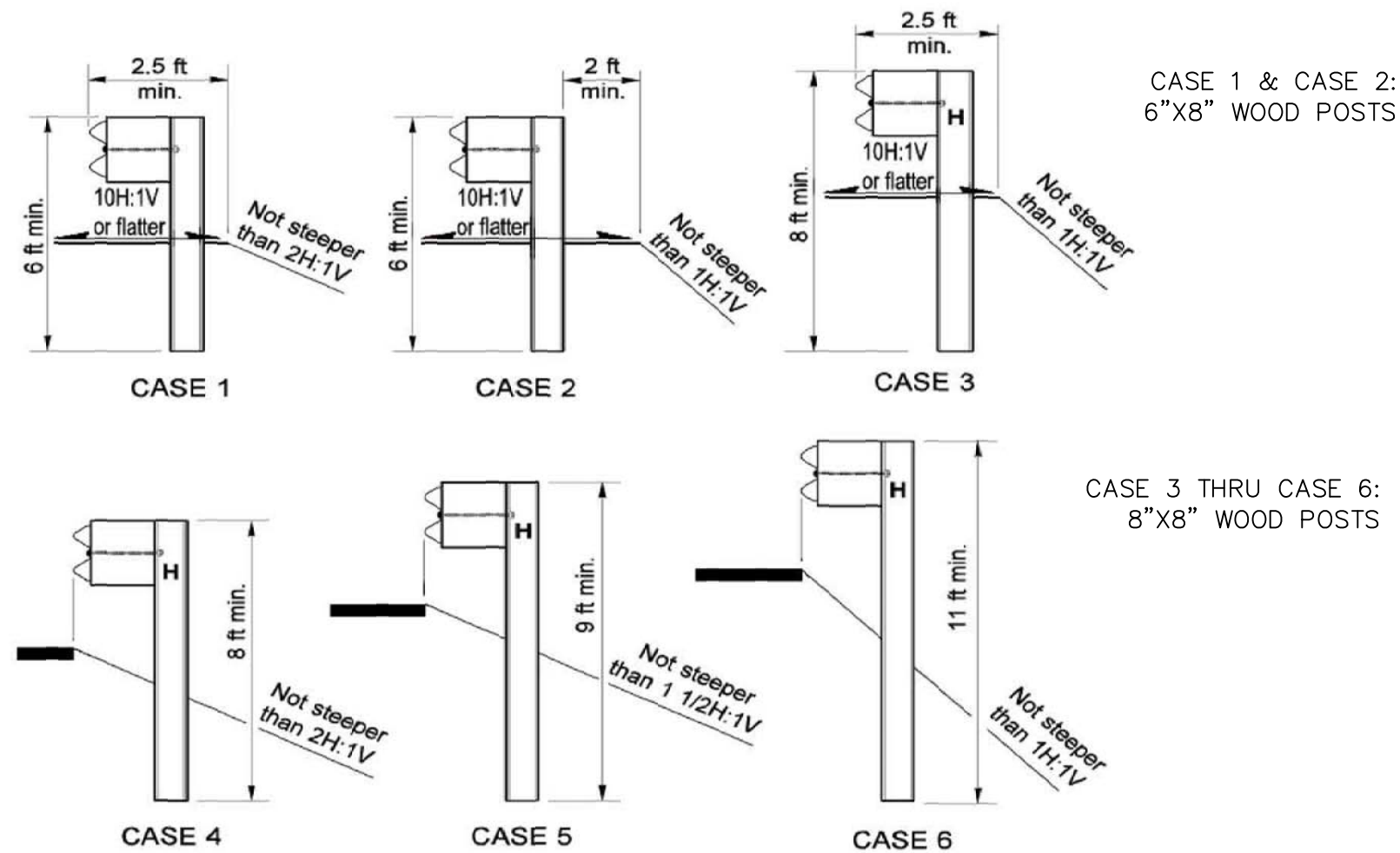
DETAIL 2: WOOD BLOCK EXTENSION CONNECTION TO I BEAM  
NOT TO SCALE

Traffic Barriers

Chapter 1610

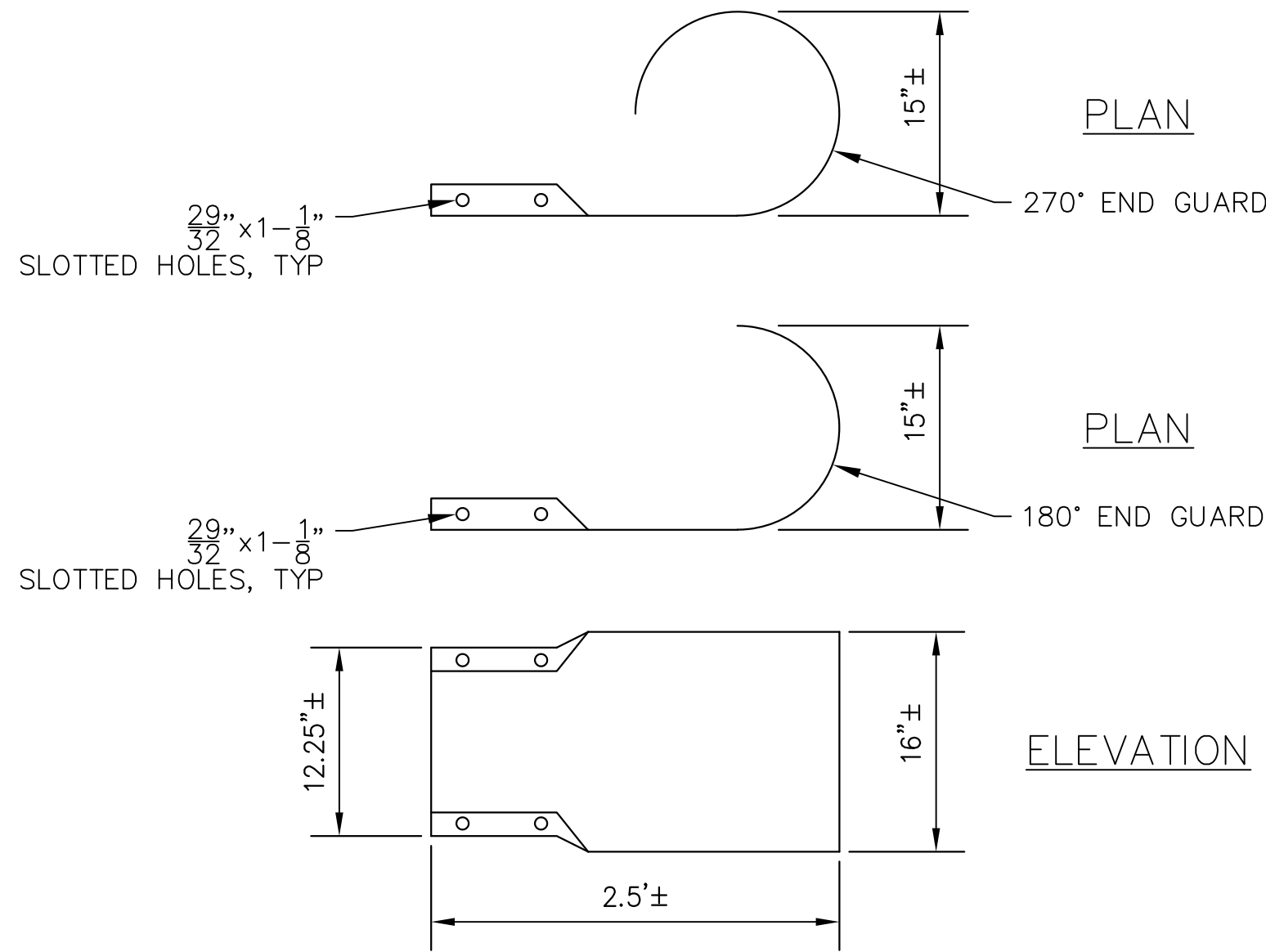
- of a fill slope (see Exhibit 1610-9, Case 2). If the slope is 2H:1V or flatter, this distance can be 2.5 feet measured from the face of the guardrail rather than the back of the post (see Exhibit 1610-9, Case 1).
- On projects where no roadway widening is proposed and site constraints prevent providing the 2-foot shoulder widening behind the barrier, long post installations are available as shown in Exhibit 1610-9, Cases 3, 4, 5, and 6. When installing guardrail where the roadway is to be widened or along new alignments, the use of Cases 5 and 6 requires a Design Analysis.

Exhibit 1610-9 Beam Guardrail Post Installation

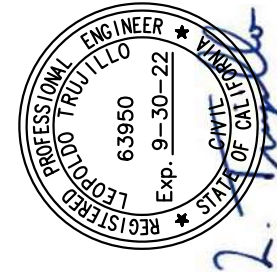


Notes:

- Use Cases 1 and 3 when there is a 2.5-foot or greater shoulder widening from face of guardrail to the slope breakpoint.
- Use Case 2 when there is a 4.0-foot or greater shoulder widening from the face of the guardrail to the slope breakpoint.
- Use Cases 4, 5, and 6 when there is less than a 2.5-foot shoulder widening from face of guardrail to the slope breakpoint.
- Cases shown do not apply to terminals, transition sections or anchors. Install terminals, transition sections and anchors per the [Standard Plans](#).



DETAIL 3: BUFFERED END GUARD  
NOT TO SCALE



Date	1/12/2021
Scale	SHOWN
Design	CL
Drawn	ET
Check	LT
Engr.	LT
Proj. No	202023

TOWN OF LOS GATOS  
COUNTY OF SANTA CLARA  
STATE OF CALIFORNIA

**RJA**  
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PHONE (408) 846-0300 FAX: (408) 846-0302

GUARDRAIL REPLACEMENT  
STANDARD DETAILS

REVISION NO.	DATE	BY

DRAWING NO.  
**DET-5**  
SHEET NO.  
**13 OF 13**